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FIFTY-FIRST

Coal Report of Illinois

1932

HENRY HORNER, Governor



DEPARTMENT OF MINES AND MINERALS

120986

JOHN G. MILLHOUSE, Director
Springfield

PETER JOYCE, Assistant Director
Springfield

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1933 JOURNAL
SPRINGFIELD

LETTER OF TRANSMITTAL.

STATE OF ILLINOIS,
DEPARTMENT OF MINES AND MINERALS,
SPRINGFIELD, ILL., July 1, 1933.

Honorable Henry Horner, Governor of Illinois.

SIR: I have the honor to submit herewith the Fifty-first Annual Coal Report of the State for the year ended December 31, 1932, together with the reports of other divisions of the Department of Mines and Minerals.

Respectfully submitted,
JOHN G. MILLHOUSE, *Director.*

DEPARTMENT OF MINES AND MINERALS.

JOHN G. MILLHOUSE, *Director.*

PETER JOYCE, *Assistant Director.*

W. P. ASA, *Chief Clerk.*

STATE MINING BOARD.

JOHN G. MILLHOUSE, *Director*, Springfield.

FRED S. PFAHLER, Gillespie.

*JOSEPH VIANO, Coal City

PAUL WEIR, Centralia.

JOHN MENTLER, Centralia.

MINERS' EXAMINING BOARD.

GEORGE HALL, *President*, Springfield

JOHN MILLETT, *Secretary*, Collinsville.

ED. DONAHUE, West Frankfort.

JOHN V. OLDANI, Herrin.

MINE RESCUE AND FIRST-AID SUPERINTENDENTS.

La Salle Station, ALEXANDER SKELTON.

Springfield Station, JAMES CLUSKER.

Benton Station, WALTER ANDERSON.

Eldorado Station, FRANK PATTERSON.

Duquoin Station, JAMES ROBERTSON.

Herrin Station, THOMAS ROGERS.

Belleville Station, IVAN GRIEVE.

Johnston City Station, BLAND D. STUTSMAN.

* Deceased.

STATE INSPECTORS OF MINES.

First District—Bureau, Grundy, Henry, La Salle, Livingston, Mercer, Putnam, Rock Island and Will Counties.

PETER FALETTI, *Inspector*, Dalzell.

Second District—McLean, Marshall, Peoria, Stark, Tazewell and Woodford Counties.

HARRY C. HINDSON, *Inspector*, Peoria.

Third District—Adams, Brown, Fulton, Hancock, Knox, McDonough, Schuyler and Warren Counties.

THOMAS P. BACK, *Inspector*, Canton.

Fourth District—Cass, Christian, Logan, Menard, Morgan, Pike, Sangamon and Scott Counties.

HARRY MARSHALL, *Inspector*, Springfield.

Fifth District—Edgar, Macon, Moultrie and Vermilion Counties.

FRED T. HODGES, *Inspector*, Danville.

Sixth District—Greene, Jersey, Macoupin, Montgomery and Shelby Counties.

JOHN K. FRASER, *Inspector*, Carlinville.

Seventh District—Bond, Madison and Marion Counties.

JOHN WHITE, *Inspector*, Collinsville.

Eighth District—Clinton, Monroe and St. Clair Counties.

JAMES R. RICHARDS, *Inspector*, Belleville.

Ninth District—Jackson, Perry, Randolph and Washington Counties.

EDWARD S. FLYNN, *Inspector*, Duquoin.

Tenth District—Franklin and Jefferson Counties.

JAMES WEIR, *Inspector*, Benton.

Eleventh District—Gallatin, Saline, Wabash and White Counties.

GEORGE BAGWILL, *Inspector*, Harrisburg.

Twelfth District—Johnson and Williamson Counties.

ARTHUR W. PLUMLEE, *Inspector*, Cambria.

THOMAS ENGLISH, *Inspector-at-Large*, Springfield.

Economic Investigation.

W. L. MORGAN, *Investigator*, Greenville.

Fluorspar Inspection.

EDWARD S. SMITH, *Inspector*, Rosiclare.

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FIFTY-FIRST ANNUAL COAL REPORT.

INTRODUCTORY.

A WORD FROM THE DIRECTOR.

This is the fifty-first annual report of the coal industry of the State and is the twenty-second one prepared by the Chief Clerk of the Department, Mr. W. P. Asa. Beginning with 1911, the compiling of these reports has been under his direct supervision. During these years he has been guided solely by the desire to make these reports reflect accurately and clearly the operation and condition of the mines of our State, and, if possible, to make each report better than the preceding one. Judging from the many flattering comments from men in high position in the industry, many of whom go so far as to say that the Illinois Coal Report is the best report of the coal mining industry published by any state or foreign country, leads to the assurance that success has been attained to a remarkable degree.

JOHN G. MILLHOUSE, *Director.*
Department of Mines and Minerals.

This report for the year ended December 31, 1932, presents detailed information concerning the mining industry of the State.

In common with all other industries and businesses of this and other states and countries, the coal industry has suffered greatly on account of the general business depression prevailing everywhere.

The facts and figures contained in this report were obtained from reliable sources and reflect the status of the industry at the close of the year.

Several tables have been prepared which show a comparison of this with other states in regard to the output of coal mines, and will be found informative and interesting.

During the year one major disaster occurred in the mines, that at Moweaqua, in which fifty-four lives were lost. A history of that disaster was written by Mr. John G. Millhouse, Director of the Department of Mines and Minerals, and will be found in this report. Aside from the number killed in this disaster, the year shows the largest tonnage per fatality in the history of the State.

The following tables show a comparison with 1931:

TABLE A—MINES AND PRODUCTION.

Mines.	1931		1932		Increase (+); decrease (—).	
	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.
Shipping.....	167	43,073,058	162	31,402,399	—5	—11,670,659
Local.....	827	2,079,365	931	2,718,387	+104	+639,022
Total.....	994	45,152,623	1,093	34,120,786	+99	—11,031,837

The following table is a comparison of the days worked with 1931 and shows that the shipping mines were in operation an average of 23 days less or a loss of 17.7 per cent. The local mines, however, gained four days in working time.

TABLE B—WORKING TIME.

Mines.	Average days worked.		
	1931	1932	Increase (+); decrease (-).
Shipping.....	130	107	-23
Local.....	123	127	+4
Total.....	124	124	.....

A comparison of the number of employees is shown below and reveals a loss of 2,946 or 6.3 per cent in the shipping mines, while the local mines show a gain of 950 or 12.7 per cent.

TABLE C—EMPLOYEES.

Mines.	Number employed.		Gain (+); loss (-).
	1931	1932	
Shipping.....	47,024	44,078	-2,946
Local.....	6,526	7,476	+950
Total.....	53,550	51,554	-1,996

In the above table the number of employees for 1932 in the shipping mines includes all on the payroll, but, owing to the custom of dividing working time, which prevailed in several mines, is 5,215 more than were engaged at one time. This will appear clearer by reference to the following list:

MINES WHERE EMPLOYEES DIVIDED WORKING TIME.

Name of operator.	Employees.	
	Working.	On payroll.
Alcoa Ore Co.....	136	164
Beckemeyer Coal Co.....	50	76
Carbon Fuel Co.....	33	44
Centralia Coal Co.....	215	233
C. W. & F. Coal Co., No. 1.....	580	1,005
C. W. & F. Coal Co., No. 2.....	1,198	1,218
Consolidated Coal Co., No. 7.....	312	413
Cosgrove-Meehan Coal Co., No. 1.....	275	313
Cosgrove-Meehan Coal Co., No. 3.....	258	303
Cosgrove-Meehan Coal Co., No. 5.....	304	425
Coulterville Coal Co.....	121	217
Cutler Coal Mining Co.....	57	101
Franklin County Coal Co., No. 7.....	453	628

MINES WHERE EMPLOYEES DIVIDED WORKING TIME—Concluded.

Name of operator.	Employees.	
	Working.	On payroll.
Freeman Coal Co.....	225	328
Gillespie Coal Co.....	172	195
Groom Coal Co.....	56	96
Illinois-Pocahontas Coal Co.....	91	212
Indiana and Illinois Coal Corp., No. 10.....	498	643
Kolb Coal Co., No. 2.....	55	97
Livingston-Mt. Olive Coal Co.....	199	360
Lumaghi Coal Co.....	267	334
Madison County Coal Mining Co.....	99	257
Mt. Olive and Staunton Coal Co.....	404	571
Old Ben Coal Corp., No. 8.....	510	598
Old Ben Coal Corp., No. 14.....	541	727
Old Ben Coal Corp., No. 15.....	472	529
Old Ben Coal Corp., No. 18.....	420	739
Pana Coal Co., No. 1.....	123	201
Panther Creek Mines, No. 1.....	363	698
Peabody Coal Co., No. 18.....	468	670
Peabody Coal Co., No. 25.....	268	305
Peabody Coal Co., No. 43.....	366	635
Peabody Coal Co., No. 52.....	337	361
Peabody Coal Co., No. 59.....	279	300
Perry Coal Co., Carbon.....	68	108
Perry Coal Co., St. Ellen.....	163	220
Service Coal Co.....	68	91
Superior Coal Co., No. 2.....	486	613
Superior Coal Co., No. 3.....	462	671
Superior Coal Co., No. 4.....	556	649
U. S. Fuel Co., Bunsen.....	1,003	1,768
Valier Coal Co.....	543	629
Viriden Coal Co.....	93	165
Wasson Coal Co., No. 2.....	99	135
Winkle Coal Co.....	59	105
Total.....	13,835	19,050

MECHANICAL LOADING.

The following table is a record of the loading of coal by mechanical devices for the past five years:

TABLE D—MECHANICAL LOADING.

Year.	Entire output.		Part of output.		Total.		Per cent of	
	Mines.	Machines.	Mines.	Machines.	Mines.	Machines.	Mines using.	Tons loaded.
1928.....	17	177	37	875	54	992	23.0	23.5
1929.....	22	603	51	1,525	73	2,128	39.9	33.1
1930.....	31	1,307	38	931	69	2,238	40.6	50.8
1931.....	36	1,504	38	916	74	2,420	49.0	61.4
1932.....	41	1,702	27	578	68	2,280	42.0	49.1

ACCIDENTS.

The number killed and injured, the number of tons mined and men employed to each man killed or injured is given below for a period of six years—1928-1932.

TABLE E—ACCIDENTS.

Year.	Accidents.		Tons mined to one.		Employees to one.	
	Fatal.	Non-fatal.	Killed.	Injured.	Killed.	Injured.
1928.....	139	5,785	404,396	9,392	471	11
1929.....	109	6,621	560,805	9,232	538	9
1930.....	112	5,103	482,456	10,589	500	11
1931.....	90	3,809	501,696	11,854	595	14
1932.....	114	2,643	377,834	12,884	452	19.5

SHIPPING MINES NOT OPERATED IN 1932, SHOWING DATE OF LAST
OPERATION.

Name of operator.	Location of mine.		Last date operated.	
	Dis- trict.	County.	Month.	Year.
Assumption Coal Co.....	4	Christian.....	December.....	1928
Black Star Coal Co.....	10	Franklin.....	April.....	1929
Brewerton Coal Co., No. 81.....	4	Sangamon.....	February.....	1930
C. W. & F. Coal Co., Benton, No. 1.....	10	Franklin.....	March.....	1924
C. W. & F. Coal Co., Benton, No. 2.....	10	Franklin.....	March.....	1923
C. W. & F. Coal Co., No. 1.....	4	Sangamon.....	March.....	1924
Chicago Fuel Co., No. 2.....	9	Perry.....	December.....	1923
Consolidated Coal Co., No. 7.....	6	Macoupin.....	February.....	1930
Consolidated Coal Co., No. 8.....	12	Williamson.....	March.....	1924
Consolidated Coal Co., L. C.....	12	Williamson.....	December.....	1928
Consolidated Coal Co., No. 14.....	6	Macoupin.....	November.....	1923
Cosgrove-Meehan Coal Co., No. 2.....	12	Williamson.....	March.....	1929
Franklin County M. Co.....	10	Franklin.....	November.....	1930
Fullerton Coal Co.....	8	St. Clair.....	April.....	1929
Harrisburg M. Co., No. 9.....	11	Saline.....	January.....	1931
Henrietta Coal Co., H. T.....	7	Madison.....	July.....	1931
Hippard Coal Co.....	8	St. Clair.....	December.....	1929
Illinois Coal Corp., No. 9.....	6	Montgomery.....	February.....	1925
Illinois Coal Corp., No. 10.....	10	Jefferson.....	December.....	1927
Illinois Colliery Co., No. 2.....	4	Sangamon.....	January.....	1923
Illinois Saline Coal Co.....	11	Gallatin.....	December.....	1930
Indiana & Illinois Coal Corp., No. 11.....	6	Montgomery.....	May.....	1924
Indiana & Illinois Coal Corp., No. 12.....	6	Montgomery.....	February.....	1925
Indiana & Illinois Coal Corp., No. 15.....	6	Montgomery.....	October.....	1923
Jackson Coal Co.....	9	Jackson.....	April.....	1924
Kolb Coal Co., No. 1.....	8	St. Clair.....	May.....	1930
Lincoln Coal Corp.....	4	Sangamon.....	March.....	1928
Lumaghi Coal Co., No. 3.....	7	Madison.....	March.....	1927
Madison Coal Corp., No. 2.....	7	Madison.....	February.....	1931
Madison Coal Corp., No. 5.....	6	Macoupin.....	April.....	1931
Madison Coal Corp., No. 6.....	4	Sangamon.....	March.....	1924
Madison Coal Corp., No. 12.....	12	Williamson.....	March.....	1931
Miller Coal Co.....	8	St. Clair.....	March.....	1927
O'Gara Coal Co., No. 8.....	11	Saline.....	March.....	1927
O'Gara Coal Co., No. 12.....	11	Saline.....	February.....	1931
O'Gara Coal Co., No. 15.....	11	Saline.....	December.....	1927
Old Ben Coal Corp., No. 9.....	10	Franklin.....	January.....	1927
Old Ben Coal Corp., No. 10.....	10	Franklin.....	January.....	1925
Old Ben Coal Corp., No. 11.....	10	Franklin.....	January.....	1931
Old Ben Coal Corp., No. 12.....	10	Franklin.....	March.....	1929
Old Ben Coal Corp., No. 16.....	10	Franklin.....	November.....	1923
Old Ben Coal Corp., No. 17.....	12	Williamson.....	March.....	1923
Old Ben Coal Corp., No. 19.....	10	Franklin.....	March.....	1923
Old Ben Coal Corp., No. 20.....	12	Williamson.....	March.....	1927
Pana Coal Co., No. 2.....	4	Christian.....	December.....	1928
Panther Creek Mine, No. 3.....	4	Sangamon.....	February.....	1931
Peabody Coal Co., No. 6.....	4	Sangamon.....	March.....	1927
Peabody Coal Co., No. 21.....	4	Christian.....	April.....	1924
Peabody Coal Co., No. 26.....	12	Williamson.....	December.....	1929
Peabody Coal Co., No. 42.....	11	Saline.....	May.....	1925
Peabody Coal Co., No. 44.....	11	Saline.....	June.....	1923

SHIPPING MINES NOT OPERATED IN 1932, SHOWING DATE OF LAST OPERATION.
Concluded.

Name of operator.	Location of mine.		Last date operated.	
	Dis- trict.	County.	Month.	Year.
Peabody Coal Co., No. 46.....	11	Saline.....	April.....	1923
Peabody Coal Co., No. 54.....	4	Sangamon.....	December.....	1924
Peabody Coal Co., No. 55.....	4	Sangamon.....	March.....	1930
Perry Coal Co.....	6	Macoupin.....	August.....	1923
Perry Coal Co., Superior.....	8	St. Clair.....	December.....	1929
Skaggs Coal Co.....	12	Williamson.....	January.....	1931
Southern Gem Coal Co., No. 6.....	9	Perry.....	December.....	1923
Standard Oil Co., No. 1.....	6	Macoupin.....	November.....	1923
Standard Oil Co., No. 2.....	6	Macoupin.....	January.....	1925
Union Fuel Co., No. 2.....	4	Sangamon.....	April.....	1924
Union Fuel Co., No. 3.....	4	Sangamon.....	February.....	1924
Union Fuel Co., No. 4.....	4	Menard.....	February.....	1923
Union Fuel Co., No. 5.....	4	Sangamon.....	April.....	1924
U. S. Fuel Co., M. F.....	10	Franklin.....	July.....	1924
Willis Coal M. Co., No. 6.....	9	Randolph.....	March.....	1925
Willis Coal M. Co., No. 8.....	9	Perry.....	April.....	1926
Willis Coal M. Co., No. 9.....	9	Randolph.....	March.....	1922

SUMMARY BY COUNTIES.

Christian.....	3	Macoupin.....	6	Randolph.....	2
Franklin.....	11	Madison.....	3	St. Clair.....	5
Gallatin.....	1	Menard.....	1	Saline.....	7
Jackson.....	1	Montgomery.....	4	Sangamon.....	12
Jefferson.....	1	Perry.....	3	Williamson.....	8

No.	Name of operator and mine.	Location of mine.		
		Dis- trict.	County.	Post office.
1	Aleoa Ore Co.	8	St. Clair	Belleville
2	Bailey Bros.	9	Perry	Duquoin
3	Beckemeyer Coal Co., N.	8	Clinton	Beckemeyer
4	Bell & Zoller Coal & Mining Co., No. 1.	10	Franklin	Zeigler
5	Bell & Zoller Coal & Mining Co., No. 2.	10	Franklin	Zeigler
6	Blue Bird Coal Co.	11	Saline	Carrier Mills
7	Brewerton Coal Corp., No. 21.	10	Franklin	West Frankfort
8	Brewerton Coal Corp., No. 22.	10	Franklin	Sesser
9	Brewerton Coal Corp., No. 45.	9	Perry	Pinckneyville
10	Brewerton Coal Corp., No. 92.	4	Logan	Lincoln
11	Bullock Mining Co.	7	Madison	Collinsville
12	Canton Coal Co.	3	Fulton	Canton
13	Carbon Fuel Co.	12	Williamson	Marion
14	Carlin Coal Co.	7	Madison	Bethalto
15	Carterville Coal & Mining Co.	12	Williamson	Carterville
16	Carterville Peacock Coal Co.	12	Williamson	Herrin
17	Central Illinois Coal Mining Co.	4	Sangamon	Springfield
18	Central West Coal Co., No. 3.	2	Peoria	Edwards
19	Centralia Coal Co., No. 5.	9	Washington	Centralia
20	Chicago, Wilmington & Franklin Coal Co., No. 1.	10	Franklin	Orient
21	Chicago, Wilmington & Franklin Coal Co., No. 2.	10	Franklin	West Frankfort
22	Chicopee Coal Co., No. 1.	7	Madison	Troy
23	Citizens Coal Co., E.	8	Clinton	Breese
24	City Lake Coal Co.	12	Williamson	Herrin
25	Clarkson Coal & Mining Co.	9	Washington	Nashville
26	Coal Stripping Co.	9	Perry	Pinckneyville
27	Collier Coal Co.	9	Perry	Tamaroa
28	Collinsville Coal Corp., No. 1.	7	Madison	Collinsville
29	Consolidated Coal Co., No. 7.	12	Williamson	Herrin
30	Consolidated Coal Co., No. 15.	6	Macoupin	Mt. Olive
31	Cosgrove-Meehan Coal Co., No. 1.	12	Williamson	Johnston City
32	Cosgrove-Meehan Coal Co., No. 3.	12	Williamson	Marion
33	Cosgrove-Meehan Coal Co., No. 5.	6	Montgomery	Panama
34	Coulterville Coal Co.	9	Perry	Coulterville
35	Crerar-Clinch Coal Co., No. 14.	9	Perry	Duquoin
36	Crerar-Clinch Coal Co., No. 15.	9	Perry	Duquoin
37	Crescent Mining Co., No. 1.	2	Peoria	Peoria
38	Crescent Mining Co., No. 6.	2	Peoria	Peoria
39	Cutler Coal & Mining Co.	9	Perry	Cutler
40	Dorthel Coal Co., No. 1.	2	Peoria	Hanna City
41	Dorthel Coal Co., No. 2.	3	Fulton	Farmington
42	Dorthel Coal Co., No. 3.	3	Fulton	Farmington
43	Eldnar Coal Co.	8	St. Clair	Belleville
44	Equality Coal Co.	12	Williamson	Herrin
45	Franklin County Coal Co., No. 5.	10	Franklin	Herrin
46	Franklin County Coal Co., No. 7.	10	Franklin	Royalton
47	Freeman Coal Mining Co.	12	Williamson	Herrin
48	Galesburg Mining Co.	3	Knox	Galesburg
49	Gill Coal Corp.	8	St. Clair	Marissa
50	Gillespie Coal Co.	6	Macoupin	Gillespie
51	Golden Rule Coal Co.	8	St. Clair	Lenzburg
52	Grissom Coal Co., No. 1.	12	Williamson	Marion
53	Groom Coal Co.	8	St. Clair	Belleville
54	Guest Coal Co.	8	St. Clair	Belleville
55	Gundlach Coal Co.	8	St. Clair	E. St. Louis
56	Henrietta Coal Co., "Hen"	7	Madison	Edwardsville
57	Hillsboro Coal Co.	6	Montgomery	Hillsboro
58	Illinois Colliery Co.	3	Fulton	Farmington
59	Illinois Pocahontas Coal Co.	7	Bond	Pocahontas
60	Ilmo Coal Co.	9	Randolph	Sparta
61	Indiana, Illinois Coal Co., No. 10.	6	Montgomery	Nokomis
62	Jones Bros. Coal Mining Co., No. 1.	8	St. Clair	Marissa
63	Jones Bros. Coal Mining Co., No. 2.	9	Randolph	Marissa
64	Kolb Coal Co., No. 2.	8	St. Clair	Mascoutah
65	Lake Erie Mining Co.	2	Tazewell	Peoria
66	Lenzburg Coal Co.	8	St. Clair	Lenzburg
67	Little Muddy Coal Co.	9	Jackson	Hurst
68	Livingston-Mt. Olive Coal Co., No. 1.	7	Madison	Livingston
69	Lumaghi Coal Co., No. 2.	7	Madison	Collinsville

SHIPPING MINES.

General superintendent.	Superintendent of mine.	Local mine manager.	Address of main office of company.	No.
F. A. Fickes	I. D. Marsh	Frank Grissom	East St. Louis, Ill.	1
Joe Bailey	Joe Bailey	Joe Bailey	Duquoin, Ill.	2
Jos. Thorand	a	a	Beckemeyer, Ill.	3
E. L. Berger	Lee Haskins	E. J. Hoey	307 N. Michigan Ave., Chicago, Ill.	4
E. L. Berger	Dale Carter	Jas. Dougherty	307 N. Michigan Ave., Chicago, Ill.	5
W. E. Stump	A. M. Chamness	a	Cummins Bldg., Harrisburg, Ill.	6
Bruno Schettler	Bruno Schettler	a	100 W. Monroe St., Chicago, Ill.	7
Bruno Schettler	Bruno Schettler	a	100 W. Monroe St., Chicago, Ill.	8
Bruno Schettler	Bruno Schettler	a	100 W. Monroe St., Chicago, Ill.	9
W. A. Brewerton	B. Schettler	J. A. Burke	100 W. Monroe St., Chicago, Ill.	10
John Reese	a	Arthur Ohl	Collinsville, Ill.	11
S. A. Drake	Geo. Martin	Thos. Moorcroft	20 W. Elm St., Canton, Ill.	12
Geo. A. Wallace	Roland Wilson	Roland Wilson	Marion, Ill.	13
J. M. Crouch	a	Geo. Kabel	Bethalto, Ill.	14
D. E. Throgmartin	a	U. V. Crain	Carbondale, Ill.	15
J. M. Hunsaker	L. W. Fivash	W. J. Calvert	Preutt Bldg., Harrisburg, Ill.	16
a	C. J. Fremgen	John Keirs	P. O. Box 396, Springfield, Ill.	17
Geo. P. DeVault	Geo. P. DeVault	T. F. Dickinson	825 Jefferson Bldg., Peoria, Ill.	18
Paul Weir	R. J. Oldham	H. A. Berger	307 N. Michigan Ave., Chicago, Ill.	19
H. A. Treadwell	John Rodenbush	James Eadie	332 S. Michigan Ave., Chicago, Ill.	20
H. A. Treadwell	John R. Foster	John O'Rourke	332 S. Michigan Ave., Chicago, Ill.	21
a	T. A. Sculley	T. A. Sculley	Troy, Ill.	22
a	F. B. Nieman	Henry Kines	Brees, Ill.	23
B. T. McSherry	B. T. McSherry	B. T. McSherry	1103 Fullerton Bldg., St. Louis, Mo.	24
John L. Clarkson	Sam Day	Sam Day	Nashville, Ill.	25
A. E. Steiger	H. J. Tobin	H. J. Tobin	230 N. Michigan Ave., Chicago, Ill.	26
Geo. Gailbreath	Geo. Gailbreath	Geo. Gailbreath	Tamara, Ill.	27
a	P. Wilkinson	P. Wilkinson	R. F. D., Collinsville, Ill.	28
a	a	Robt. Bowie	Ry. Exchange Bldg., St. Louis, Mo.	29
B. F. Meyer	a	J. D. Neal	2069 Ry. Exchange Bldg., St. Louis, Mo.	30
a	S. J. Burress	W. B. Kemper	310 S. Michigan Ave., Chicago, Ill.	31
S. J. Burress	a	L. C. Boatright	310 S. Michigan Ave., Chicago, Ill.	32
Harry Woods	a	Wm. Cowell	310 S. Michigan Ave., Chicago, Ill.	33
J. L. Uhles	J. L. Uhles	J. L. Uhles	Coulterville, Ill.	34
a	E. S. Mayor	E. B. Dangerfield	20 N. Wacker Drive, Chicago, Ill.	35
a	E. S. Mayor	D. C. Harris	20 N. Wacker Drive, Chicago, Ill.	36
W. P. Young	W. P. Young	Harry Wilkinson	307 N. Michigan Ave., Chicago, Ill.	37
W. P. Young	W. P. Young	Chas. Carson	307 N. Michigan Ave., Chicago, Ill.	38
H. W. Bradbury	a	Geo. Hardy	Cutler, Ill.	39
R. K. Ronk	R. K. Ronk	David Jones	28 E. Jackson Blvd., Chicago, Ill.	40
R. K. Ronk	Robert Taggart	J. W. Worthington	Steger Bldg., Chicago, Ill.	41
R. K. Ronk	Robert Taggart	Thos. Morrow	Steger Bldg., Chicago, Ill.	42
a	W. J. Randle	W. J. Randle	801 East "B" St., Belleville, Ill.	43
Joe Gualdoni	Joe Gualdoni	Walter MacAllister	200 S. 13th St., Herrin, Ill.	44
H. H. Taylor, Jr.	Ernst Helbing	Robert Waugh	230 S. Clark St., Chicago, Ill.	45
H. H. Taylor, Jr.	Ernst Helbing	Ed. O'Neal	230 S. Clark St., Chicago, Ill.	46
F. H. Seymour	F. H. Seymour	W. H. Flynn	2051 McCormick Bldg., Chicago, Ill.	47
J. W. Fairbairn	J. W. Fairbairn	George Grindle	118 E. Main St., Galesburg, Ill.	48
F. K. Gill	a	a	Marissa, Ill.	49
D. W. Green	a	Nat Farnworth	St. Louis, Mo.	50
a	a	Jos. A. Prediger	Lenzburg, Ill.	51
W. E. Grissom	W. E. Grissom	W. E. Grissom	Marion, Ill.	52
John Groom	Robert Groom	Oscar Peterson	1906 W. Main St., Belleville, Ill.	53
Stephen Guest	James Guest	Geo. Cadman	Belleville, Ill.	54
O. E. Schaefer	a	H. Taylor	Edgemont Station, East St. Louis, Ill.	55
a	A. W. Miller	A. W. Miller	219 Hickory St., Edwardsville, Ill.	56
Rice W. Miller	Jas. Welsh	Frank Huml	Hillsboro, Ill.	57
a	John Balagna	Henry Whited	Farmington, Ill.	58
a	G. E. Adamson	Joe Hoy	East St. Louis, Ill.	59
J. A. Becker	Wm. Bradbury	G. A. Wilson	527 Chemical Bldg., St. Louis, Mo.	60
J. J. Fries	J. J. Fries	a	1425 Old Colony Bldg., Chicago, Ill.	61
Wm. Jones	a	a	Marissa, Ill.	62
Wm. Jones	Wm. Jones	Wm. Jones	Marissa, Ill.	63
a	F. Bair	a	Mascoutah, Ill.	64
W. C. Gill	C. Saur	F. Saur	1127 Jefferson Bldg., Peoria, Ill.	65
a	a	D. N. Schilling	Lenzburg, Ill.	66
Sam Pierson	Sam Pierson	Sam Pierson	a	67
a	Ellis E. Yallow	Thos. McCullister	Livingston, Ill.	68
O. L. Lumaghi	B. H. Firth	Wm. Valine	408 Olive St., St. Louis, Mo.	69

No.	Name of operator and mine.	Location of mine.		
		Dis- trict.	County.	Post office.
70	Madison County Coal & Mining Co.....	7	Madison.....	Edwardsville.....
71	Marion County Coal Co.....	7	Marion.....	Centralia.....
72	Midland Electric Coal Corp., No. 1.....	1	Henry.....	Atkinson.....
73	Mine B Coal Co.....	4	Sangamon.....	Springfield.....
74	Moffat Coal Co.....	9	Randolph.....	Sparta.....
75	Mt. Olive & Staunton Coal Co., No. 2.....	7	Madison.....	Staunton.....
76	Moweaqua Coal Corp., No. 1.....	6	Shelby.....	Moweaqua.....
77	Mulberry Hill Coal Co.....	8	St. Clair.....	Freeburg.....
78	Northern Illinois Coal Corp.....	1	Will.....	Wilmington.....
79	Odin Coal Co.....	7	Marion.....	Odin.....
80	O'Gara Coal Co., No. 1.....	11	Saline.....	Harrisburg.....
81	O'Gara Coal Co., No. 3.....	11	Saline.....	Harrisburg.....
82	O'Gara Coal Co., No. 10.....	11	Saline.....	Eldorado.....
83	Ogmore Coal Co.....	12	Williamson.....	Cambria.....
84	Okay Coal & Mining Co.....	8	St. Clair.....	Marissa.....
85	Old Ben Coal Corp., No. 8.....	10	Franklin.....	West Frankfort.....
86	Old Ben Coal Corp., No. 14.....	10	Franklin.....	Buckner.....
87	Old Ben Coal Corp., No. 15.....	10	Franklin.....	Ezra.....
88	Old Ben Coal Corp., No. 18.....	12	Williamson.....	Johnston City.....
89	Pana Coal Co., No. 1.....	4	Christian.....	Pana.....
90	Panther Creek Mines, No. 1.....	4	Sangamon.....	Auburn.....
91	Panther Creek Mines, No. 4.....	4	Sangamon.....	Springfield.....
92	Panther Creek Mines, No. 5.....	4	Sangamon.....	Springfield.....
93	Peabody Coal Co., No. 7.....	4	Christian.....	Kincaid.....
94	Peabody Coal Co., No. 8.....	4	Christian.....	Tovey.....
95	Peabody Coal Co., No. 9.....	4	Christian.....	Langleyville.....
96	Peabody Coal Co., No. 18.....	10	Franklin.....	West Frankfort.....
97	Peabody Coal Co., No. 19.....	10	Franklin.....	West Frankfort.....
98	Peabody Coal Co., No. 24.....	5	Vermilion.....	Danville.....
99	Peabody Coal Co., No. 25.....	12	Williamson.....	Carterville.....
100	Peabody Coal Co., No. 43.....	11	Saline.....	Harrisburg.....
101	Peabody Coal Co., No. 47.....	11	Saline.....	Harrisburg.....
102	Peabody Coal Co., No. 51.....	4	Sangamon.....	Springfield.....
103	Peabody Coal Co., No. 52.....	4	Sangamon.....	Riverton.....
104	Peabody Coal Co., No. 53.....	4	Sangamon.....	Springfield.....
105	Peabody Coal Co., No. 57.....	4	Sangamon.....	Springfield.....
106	Peabody Coal Co., No. 58.....	4	Christian.....	Taylorville.....
107	Peabody Coal Co., No. 59.....	4	Sangamon.....	Springfield.....
108	Pendley & Wilkinson Coal Co.....	12	Williamson.....	Marion.....
109	Penwell Coal Mining Co.....	4	Christian.....	Pana.....
110	Perfection Coal Co.....	9	Perry.....	Duquoin.....
111	Perry Coal Co., "Carbon".....	8	St. Clair.....	O'Fallon.....
112	Perry Coal Co., "St. Ellen".....	8	St. Clair.....	O'Fallon.....
113	Perry Coal Co., "Taylor".....	8	St. Clair.....	O'Fallon.....
114	Piazza Coal Co.....	8	St. Clair.....	Belleville.....
115	Power Coal Co.....	8	St. Clair.....	Freeburg.....
116	Prairie.....	8	St. Clair.....	Belleville.....
117	Prairie State Coal Co.....	1	Putnam.....	Granville.....
118	Puritan Coal Co.....	12	Williamson.....	Johnston City.....
119	Pyramid Coal Corp.....	9	Perry.....	Pinckneyville.....
120	Quality Coal & Mining Co.....	8	St. Clair.....	Belleville.....
121	Rex Coal Co.....	11	Saline.....	Eldorado.....
122	Roanoke Coal & Tile Co.....	2	Woodford.....	Roanoke.....
123	St. Louis & O'Fallon Coal Co., No. 2.....	8	St. Clair.....	E. St. Louis.....
124	St. Louis Coal & Iron Co.....	12	Williamson.....	Johnston City.....
125	Sangamon Coal Co., No. 2.....	4	Sangamon.....	Springfield.....
126	Sargent Coal Co.....	8	St. Clair.....	Caseyville.....
127	Service Coal Co.....	8	St. Clair.....	Belleville.....
128	Shuler Coal Mining Co.....	1	Henry.....	Alpha.....
129	South Mine Coal Co.....	6	Macoupin.....	Carlinville.....
130	Southern C. C. & Mining Co., No. 7.....	8	St. Clair.....	Belleville.....
131	Southern C. C. & Mining Co., No. 9.....	8	Clinton.....	New Baden.....
132	Southern Illinois Coal Mining Co., No. 1.....	11	White.....	Norris City.....
133	Spillertown Mining Co.....	12	Williamson.....	Marion.....
134	Summit Coal Co.....	8	St. Clair.....	Belleville.....

SHIPPING MINES—Continued.

General superintendent.	Superintendent of mine.	Local mine manager.	Address of main office of company.	No.
..a..	W. O. Branden- burger	John Macke	Edwardsville, Ill.	70
Jno. W. Stedelon.	Grover Wilkinson	Grover Wilkinson	Centralia, Ill.	71
K. R. Bixby	W. E. Mullins	W. E. Mullins	Atkinson, Ill.	72
Oscar Falcetti	Oscar Falcetti	..a..	Springfield, Ill.	73
Andrew Moffat	Andrew Moffat	Dick Richardson	Sparta, Ill.	74
..a..	Sam McGurk	Ben Chapman	..a..	75
..a..	J. F. Hickman	Wm. Heriot	Moweaqua, Ill.	76
..a..	..a..	Fred Germann	R. F. D. No. 1, Freeburg, Ill.	77
..a..	R. S. Weimer	J. T. Sykes	310 S. Michigan Ave., Chicago, Ill.	78
Geo. Moody	Geo. Moody	Pearl Halfacre	Odin, Ill.	79
Paul Halbersleben	Wm. Evans	J. A. Adams	332 S. Michigan Ave., Chicago, Ill.	80
Paul Halbersleben	George Eadie	Ed Pryor	332 S. Michigan Ave., Chicago, Ill.	81
Paul Halbersleben	Sam Cape	R. A. Bartlett	332 S. Michigan Ave., Chicago, Ill.	82
..a..	J. J. Thomas	Orval Williams	Cambria, Ill.	83
..a..	..a..	Henry Church	Marissa, Ill.	84
James Dunn	John Lord	Ed. Goff	230 S. Clark St., Chicago, Ill.	85
James Dunn	John Lord	Howard Lewis	230 S. Clark St., Chicago, Ill.	86
James Dunn	John Lord	Wm. Coltman	230 S. Clark St., Chicago, Ill.	87
James Dunn	John Lord	John Cathie	230 S. Clark St., Chicago, Ill.	88
G. A. Shafer	S. S. Lewis	John Simpson	Pana, Ill.	89
E. C. Solomon	E. C. Solomon	J. A. Lanham	607 1st Nat'l Bk Bldg., Springfield, Ill.	90
H. A. Solomon	Geo. Snedden	Jas. Barnes	First Nat'l Bk. Bldg., Springfield, Ill.	91
H. A. Solomon	W. C. Passent	John Archer	First Nat'l Bk. Bldg., Springfield, Ill.	92
W. C. Argust	J. W. Starks	J. W. Hardy	20 N. Wacker Drive, Chicago, Ill.	93
W. C. Argust	James Lewis	Mike Rozanski	20 N. Wacker Drive, Chicago, Ill.	94
W. C. Argust	J. W. Starks	J. W. Hardy	20 N. Wacker Drive, Chicago, Ill.	95
C. W. McReaken	B. F. Burnett	Robt. McPhail	20 N. Wacker Drive, Chicago, Ill.	96
C. W. McReaken	W. M. Elders	John Coleman	20 N. Wacker Drive, Chicago, Ill.	97
M. F. Peltier	John Hope	Robt. Walker	20 N. Wacker Drive, Chicago, Ill.	98
C. W. McReaken	Roy Stewart	Robert Timpany	20 N. Wacker Drive, Chicago, Ill.	99
C. W. McReaken	W. C. Craggs	Lloyd Anderson	20 N. Wacker Drive, Chicago, Ill.	100
C. W. McReaken	Chas. Barker	Jas. E. Vaugh	20 N. Wacker Drive, Chicago, Ill.	101
Wm. Wanless	P. W. McMurdo	Oney Melkush	20 N. Wacker Drive, Chicago, Ill.	102
..a..	Mike Haberle	Carl Proska	20 N. Wacker Drive, Chicago, Ill.	103
W. H. Wanless	Harry Preval	John D. Kelley	20 N. Wacker Drive, Chicago, Ill.	104
W. H. Wanless	G. M. Smith	W. L. Wanless	20 N. Wacker Drive, Chicago, Ill.	105
W. C. Argust	Wm. Hardy	Glenn Young	20 N. Wacker Drive, Chicago, Ill.	106
W. H. Wanless	Lewis Waldron	John Storey	20 N. Wacker Drive, Chicago, Ill.	107
Virgil Pendley	Virgil Pendley	Virgil Pendley	Marion, Ill.	108
Warren Penwell	James Rollo	Richard Rollo	Pana, Ill.	109
Jos. McSherry	..a..	..a..	Duquoin, Ill.	110
D. W. Greene	Wm. Hartman	..a..	1406 Boatmens Bank Bldg., St. Louis.	111
D. W. Greene	..a..	Chas. McManus	1406 Boatmens Bank Bldg., St. Louis.	112
D. W. Greene	J. B. Brown	..a..	1406 Boatmens Bank Bldg., St. Louis.	113
..a..	..a..	Bob Watson	Rentchler Station, Ill.	114
John W. Miller	Alex Adams	..a..	Freeburg, Ill.	115
Jas. Daniels	Wm. Murdock	..a..	2700 W. Main St., Belleville, Ill.	116
John R. Cox	..a..	Charles Sulski	Granville, Ill.	117
J. F. Howard	J. F. Howard	J. F. Howard	Johnston City, Ill.	118
A. E. Steiger	Len Hartwell	..a..	230 N. Michigan Ave., Chicago, Ill.	119
..a..	..a..	Peter Grieve	4918 W. Main St., Belleville, Ill.	120
..a..	Geo. Lindsay	Verne Gideumb	McCormick Bldg., Chicago, Ill.	121
D. L. Negley	Carl Klumff	George DeWilde	Roanoke, Ill.	122
W. F. Davis	W. F. Davis	Jos. Vlasak	2927 S. Broadway, St. Louis, Mo.	123
..a..	W. T. Winning	..a..	Granite City, Ill.	124
..a..	John Senger	..a..	P. O. Box 56, Springfield, Ill.	125
..a..	..a..	Roy Harper	Belleville, Ill.	126
D. E. Meyer	D. E. Meyer	Fred Gramlich	N. Illinois St. and L. & N. Tracks. Belleville, Ill.	127
Chas. Shuler, Jr.	T. C. Chapman	T. C. Chapman	Davenport, Iowa.	128
John Crosby	John Crosby	John Crosby	Carlinville, Ill.	129
S. A. Butler	..a..	Steve Herbert	Security Bldg., St. Louis, Mo.	130
S. A. Butler	..a..	Emil Strotheide	Security Bldg., St. Louis, Mo.	131
Uiys Pyle	David E. Parker	Josh Anderson	Norris City, Ill.	132
..a..	H. Morgan	John Leasock	Marion, Ill.	133
John Randle	Wm. Erwin	Wm. Erwin	R. F. D. No. 3, Belleville, Ill.	134

DIRECTORY OF

No.	Name of operator and mine.	Location of mine.		
		Dis- trict.	County.	Post office.
135	Superior Coal Co., No. 1.....	6	Macoupin.....	Gillespie.....
136	Superior Coal Co., No. 2.....	6	Macoupin.....	Gillespie.....
137	Superior Coal Co., No. 3.....	6	Macoupin.....	Gillespie.....
138	Superior Coal Co., No. 4.....	6	Macoupin.....	Gillespie.....
139	Sutton, W. G.....	2	Woodford.....	Minonk.....
140	Tamaroa Coal Co., No. 43.....	9	Perry.....	Tamaroa.....
141	Tilton Mining Co.....	5	Vermilion.....	Danville.....
142	Truax-Traer Coal Co.....	3	Fulton.....	St. David.....
143	Truax-Traer Coal Co., No. 1.....	9	Jackson.....	Elkville.....
144	Truax-Traer Coal Co., No. 2.....	9	Jackson.....	DeSoto.....
145	Ubben Coal Co.....	2	Tazewell.....	Pekin.....
146	Union Coal Co.....	1	LaSalle.....	LaSalle.....
147	Union Colliery Co.....	9	Jackson.....	Dowell.....
148	United Electric Coal Co., No. 1.....	5	Vermilion.....	Danville.....
149	United Electric Coal Co., No. 9.....	3	Fulton.....	Cuba.....
150	United Electric Coal Co., No. 11.....	9	Perry.....	Duquoin.....
151	United Electric Coal Co., No. 12.....	5	Vermilion.....	Danville.....
152	United Electric Coal Co., No. 13.....	8	St. Clair.....	Freeburg.....
153	United States Fuel Co., "Bun".....	5	Vermilion.....	Georgetown.....
154	United States Fuel Co., "Verm".....	5	Vermilion.....	Georgetown.....
155	Valier Coal Co.....	10	Franklin.....	Valier.....
156	Vinegar Hill Coal Co.....	8	St. Clair.....	Lenzburg.....
157	Virden Coal Co., No. 1.....	6	Macoupin.....	Virden.....
158	Wallace Coal Co.....	12	Williamson.....	Marion.....
159	Wasson Coal Co., No. 1.....	11	Saline.....	Harrisburg.....
160	Wasson Coal Co., No. 2.....	11	Saline.....	Harrisburg.....
161	White Coal Co.....	8	St. Clair.....	Belleville.....
162	Winkle Coal Co.....	9	Perry.....	Swanwick.....

(a) Not reported.

SHIPPING MINES—Concluded.

General superintendent.	Superintendent of mine.	Local mine manager.	Address of main office of company.	No.
D. D. Wilcox.....	James Powell.....	Alex. Duncan.....	Gillespie, Ill.....	135
D. D. Wilcox.....	James Powell.....	Pete Bertolio.....	Gillespie, Ill.....	136
D. D. Wilcox.....	James Powell.....	Alex. Young.....	Gillespie, Ill.....	137
D. D. Wilcox.....	James Powell.....	John Johnson.....	Gillespie, Ill.....	138
W. G. Sutton.....	H. A. Sutton.....	P. H. O'Connor.....	Minonk, Ill.....	139
a.....	a.....	Henry Jones.....	Tamaroa, Ill.....	140
W. A. Martin.....	H. C. Stuebe.....	H. C. Stuebe.....	Station C, Danville, Ill.....	141
H. F. Willis.....	Byron Somers.....	A. E. Junell.....	805 Soo Line Bldg., Minneapolis, Minn.....	142
H. F. Willis.....	C. K. Dunn.....	a.....	805 Soo Line Bldg., Minneapolis, Minn.....	143
H. F. Willis.....	C. M. Hart.....	a.....	805 Soo Line Bldg., Minneapolis, Minn.....	144
Theo. H. Ubben.....	a.....	J. Scheffler.....	Pekin, Ill.....	145
Adam Currie.....	a.....	a.....	112 E. Fifth St., Peru, Ill.....	146
Ed. Leming.....	Ed. Leming.....	C. O. Wellington.....	Box. 1349, St. Louis, Mo.....	147
a.....	Carl Day.....	Carl Day.....	500 Adams Bldg., Danville, Ill.....	148
a.....	a.....	H. W. Barco.....	500 Adams Bldg., Danville, Ill.....	149
a.....	a.....	F. A. Huff.....	500 Adams Bldg., Danville, Ill.....	150
a.....	R. E. Pyle.....	R. E. Pyle.....	500 Adams Bldg., Danville, Ill.....	151
a.....	a.....	Geo. D. Huff.....	500 Adams Bldg., Danville, Ill.....	152
David I. Rock.....	Harry M. Moses.....	Robert Flynn.....	208 S. LaSalle St., Chicago, Ill.....	153
David I. Rock.....	Harry M. Moses.....	Mark Ord.....	208 S. LaSalle St., Chicago, Ill.....	154
a.....	D. W. Jones.....	Isaiah Winn.....	547 W. Jackson Blvd., Chicago, Ill.....	155
Emil Burgard.....	a.....	Wm. F. Zager.....	Lenzburg, Ill.....	156
a.....	Clint Richardson.....	Joe Dubunick.....	Virden, Ill.....	157
Geo. A. Wallace.....	John K. Wallace.....	Wm. K. Wallace.....	Marion, Ill.....	158
L. A. Wasson.....	L. A. Wasson.....	John H. Evans.....	Harrisburg, Ill.....	159
L. A. Wasson.....	L. A. Wasson.....	John Stobart.....	Harrisburg, Ill.....	160
Robert White.....	Robert White.....	June Dickson.....	Belleville, Ill.....	161
O. L. Winkle.....	Paul Mullins.....	E. O. Crain.....	Swanwick, Ill.....	162

GENERAL STATEMENT.

Number of Counties producing coal.....	54
Number of mines operated.....	1,093
Number of shipping mines.....	162
Number of local mines.....	931
Output of all mines—tons.....	34,120,786
Output of shipping mines.....	31,402,399
Output of local mines.....	2,718,387
Tons handled by railroads.....	28,519,261
Tons disposed of otherwise.....	5,601,525
Number employed underground.....	43,630
Number employed on surface.....	7,924
Total employees	51,554
Average days worked—shipping mines.....	107
Average days worked—local mines.....	127
Average days worked—all mines.....	124
Number of mining machines used.....	1,246
Tons undercut by machines.....	23,201,707
Tons mined by hand.....	4,162,122
Tons mined by stripping.....	6,756,957
Number of mechanical loaders used.....	2,280
Tons loaded mechanically.....	15,412,656
Tons loaded by hand.....	11,951,173
Kegs of powder used.....	215,778
Pounds of pellet powder used.....	2,940,722
Pounds of dynamite used.....	125,750
Pounds of permissible used.....	1,669,636
Number of motors used.....	1,117
Number of animals underground.....	1,418
Number of fatal accidents.....	114
Number of non-fatal accidents.....	2,643
Tons mined to one man killed.....	377,834
Tons mined to one man injured.....	12,884
Number employed to one killed.....	452
Number employed to one injured.....	19.5
Number of mines using closed lights.....	122
Number of mines rockdusted.....	34

TABLE 1—CLASSIFICATION OF MINES BY DISTRICTS.

Districts.	All mines.			Shipping mines.			Local mines.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	113	2,532	2,381,165	5	1,086	1,867,943	108	1,446	513,222
Second.....	139	2,596	1,235,078	8	1,548	853,301	131	958	281,777
Third.....	278	2,572	1,755,305	7	1,260	1,355,246	271	1,312	400,059
Fourth.....	51	7,411	3,867,217	18	6,895	3,597,269	33	516	269,948
Fifth.....	126	4,535	2,024,581	6	3,281	1,674,828	120	1,254	349,753
Sixth.....	52	5,009	2,645,196	12	4,724	2,594,413	40	285	50,783
Seventh.....	24	2,683	1,400,744	12	2,513	1,320,089	12	170	80,655
Eighth.....	63	3,495	2,263,436	30	2,886	1,965,835	33	609	357,601
Ninth.....	73	3,899	5,055,767	22	3,563	4,932,338	51	336	123,429
Tenth.....	14	9,441	7,064,359	14	9,441	7,064,359			
Eleventh.....	65	4,287	2,492,860	10	4,064	2,429,650	55	223	63,810
Twelfth.....	95	3,184	1,935,078	18	2,817	1,807,728	77	367	127,350
Total.....	1,093	51,554	34,120,786	162	44,078	31,402,399	931	7,476	2,718,387

TABLE 2—NUMBER OF MINES OPERATED, MEN EMPLOYED, AVERAGE DAYS WORKED, TONS PRODUCED, AVERAGE TONS PER DAY AND THE AVERAGE TONS PER MAN PER DAY, ALL MINES—1882-1932.

Year.	Mines operated.	Men. employed.	Average days worked.	Tons produced.	Average tons per day.	Average tons per man per day.
1882.....	704	20,290	190	9,115,661	47,977	2.4
1883.....	637	23,939	195	10,508,785	53,891	2.3
1884.....	739	25,575	204	10,101,004	49,514	1.9
1885.....	778	25,946	200	9,791,874	48,959	1.9
1886.....	786	25,846	185	9,246,435	49,982	1.9
1887.....	801	26,804	190	10,278,890	54,099	2.0
1888.....	833	29,410	194	11,855,188	61,109	2.1
1889.....	851	30,076	189	11,597,963	61,365	2.0
1890.....	811	28,574	175	12,638,364	72,219	2.1
1891.....	898	32,951	192	15,660,698	81,566	2.5
1892.....	833	33,632	191	17,862,276	93,520	2.8
1893.....	779	35,390	201	19,949,564	99,252	2.8
1894.....	822	38,477	173	17,113,576	98,922	2.6
1895.....	844	38,630	178	17,735,864	99,645	2.6
1896.....	868	37,032	172	19,786,626	115,038	3.1
1897.....	853	33,788	169	20,072,758	118,773	3.5
1898.....	881	35,026	165	18,599,299	112,723	3.2
1899.....	889	36,901	181	23,434,445	129,472	3.5
1900.....	920	39,384	183	25,153,929	137,453	3.5
1901.....	915	44,143	174	26,685,319	153,364	3.5
1902.....	915	46,003	177	30,021,300	169,612	3.7
1903.....	930	49,814	192	34,955,400	182,059	3.7
1904.....	932	54,774	185	37,077,897	200,421	3.7
1905.....	990	59,230	167	37,183,374	222,655	3.8
1906.....	1,018	62,283	177	38,317,581	216,433	3.5
1907.....	933	66,714	180	47,798,621	265,548	4.0
1908.....	922	70,841	180	49,272,436	273,736	3.9
1909.....	886	72,733	177	49,163,710	277,761	3.8
1910.....	881	74,634	172	48,717,853	283,243	3.8
1911.....	845	77,410	165	50,165,099	304,031	3.9
1912.....	879	79,411	160	57,514,240	359,464	4.5
1913.....	840	79,497	170	61,846,204	363,801	4.6
1914.....	796	80,035	162	60,715,765	374,789	4.7
1915.....	779	75,607	158	57,601,694	364,517	4.8
1916.....	803	75,919	163	63,673,530	390,635	5.1
1917.....	810	80,893	179	78,983,517	441,250	5.4
1918.....	966	91,372	183	89,979,469	491,691	5.4
1919.....	937	90,897	160	75,099,784	469,374	5.2
1920.....	938	88,192	159	73,920,653	464,910	5.3
1921.....	1,035	95,763	152	80,121,948	527,118	5.5
1922.....	3,133	98,090	134	63,276,827	472,215	4.8
1923.....	1,136	103,566	146	75,514,095	517,220	5.0

TABLE 2—Concluded.

Year.	Mines operated.	Men employed.	Average days worked.	Tons produced.	Average tons per day.	Average tons per man per day.
1924.....	1,032	99,765	140	72,308,665	516,490	5.2
1925*.....	913	81,684	204	103,186,166	505,815	6.2
1926.....	921	77,732	131	69,813,255	532,925	6.9
1927.....	906	78,572	119	46,949,700	394,535	5.0
1928.....	857	65,508	132	56,211,082	425,841	6.5
1929.....	803	58,596	133	61,127,759	459,607	7.8
1930.....	939	56,011	122	54,035,116	442,910	7.9
1931.....	977	53,550	127	45,152,623	355,532	6.6
1932.....	1,093	51,554	124	34,120,786	275,168	5.3

* July 1, 1924 to December 31, 1925.

TABLE 3—CLASSIFICATION OF MINES BY OUTPUT.

Mines producing—	Shipping mines.			Local mines.			All mines.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Less than 1,000 tons	1	14	700	555	1,824	186,740	556	1,838	187,440
1,000 but less than 10,000	21	1,347	104,900	314	3,004	987,739	335	4,351	1,092,639
10,000 but less than 50,000	38	3,582	1,054,650	56	1,739	1,108,543	94	5,321	2,163,193
50,000 but less than 100,000	19	2,763	1,442,375	5	781	321,685	24	3,544	1,764,060
100,000 but less than 200,000	25	8,498	3,742,163	1	128	113,680	26	8,626	3,855,843
200,000 but less than 300,000	21	7,445	5,367,620	-----	-----	-----	21	7,445	5,367,620
300,000 but less than 400,000	11	5,107	3,885,571	-----	-----	-----	11	5,107	3,885,571
400,000 but less than 500,000	10	5,049	4,339,827	-----	-----	-----	10	5,049	4,339,827
500,000 but less than 600,000	5	4,159	2,752,941	-----	-----	-----	5	4,159	2,752,941
600,000 but less than 700,000	5	2,607	3,188,733	-----	-----	-----	5	2,607	3,188,733
700,000 but less than 800,000	2	1,668	1,466,767	-----	-----	-----	2	1,668	1,466,767
800,000 and over.....	4	1,839	4,056,152	-----	-----	-----	4	1,839	4,056,152
Total.....	162	44,078	31,402,399	931	7,476	2,718,387	1,093	51,554	34,120,786

TABLE 4—CLASSIFICATION OF MINES BY DAYS WORKED.

Mines working—	Shipping mines.			Local mines.			All mines.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Less than 50 days..	25	5,800	1,153,093	107	426	25,816	132	6,226	1,178,909
50 but less than 100.	42	8,551	3,559,118	228	1,190	161,377	270	9,741	3,720,495
100 but less than 150	63	24,310	17,233,264	251	2,315	763,296	314	26,625	17,996,560
150 but less than 200	24	3,871	6,039,625	174	1,987	963,470	198	5,858	7,003,095
200 days and over...	8	1,546	3,417,299	171	1,558	804,428	179	3,104	4,221,727
Total.....	162	44,078	31,402,399	931	7,476	2,718,387	1,093	51,554	34,120,786

TABLE 5—CLASSIFICATION OF MINES BY NUMBER OF MEN EMPLOYED.

Mines employing—	Shipping mines.			Local mines.			All mines.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Less than 25 men....	12	201	52,247	880	4,609	1,488,812	892	4,810	1,541,059
25 but less than 50..	10	379	258,593	28	919	403,081	38	1,298	688,674
50 but less than 100	32	2,351	2,108,564	17	1,022	420,161	49	3,373	2,528,725
100 but less than 200	29	3,814	3,870,484	5	654	328,395	34	4,468	4,198,879
200 but less than 300	21	4,860	5,241,170	1	272	77,938	22	5,132	5,319,108
300 but less than 400	19	6,311	3,362,506	-----	-----	-----	19	6,311	3,362,506
400 but less than 500	9	3,892	3,072,797	-----	-----	-----	9	3,892	3,072,797
500 but less than 600	7	3,908	3,206,830	-----	-----	-----	7	3,908	3,206,830
600 but less than 700	14	9,056	5,580,765	-----	-----	-----	14	9,056	5,580,765
700 but less than 800	2	1,466	822,641	-----	-----	-----	2	1,466	822,641
800 and over.....	7	7,840	3,798,802	-----	-----	-----	7	7,840	3,798,802
Total.....	162	44,078	31,402,399	931	7,476	2,718,387	1,093	51,544	34,120,786

TABLE 6—CLASSIFICATION OF SHIPPING MINES FROM 1916 TO 1932.
BY YEARS.

Year.	Class 1 (more than 500,000 tons).		Class 2 (200,000 to 500,000 tons).		Class 3 (100,000 to 200,000 tons).		Class 4 (50,000 to 100,000 tons).		Class 5 (50,000 tons and less).	
	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.
1916.....	37	25,024,574	74	23,351,184	60	8,956,203	44	3,153,772	74	1,840,713
1917.....	44	31,965,206	95	29,808,491	70	10,397,586	50	3,609,766	65	1,632,611
1918.....	50	35,737,176	116	36,415,167	68	10,058,806	59	4,392,461	75	1,702,618
1919.....	21	21,180,203	98	31,890,656	93	13,723,096	60	4,557,528	91	2,400,238
1920.....	31	20,187,379	108	32,874,995	81	12,136,421	66	4,950,378	88	2,260,438
1921.....	31	22,680,184	115	35,143,515	93	13,652,444	61	4,619,618	91	2,243,321
1922.....	27	14,203,146	84	25,835,510	82	11,855,579	63	4,595,761	37	1,895,997
1923.....	31	22,006,182	94	30,614,989	93	13,743,683	67	4,911,319	89	2,133,644
1924.....	41	27,898,503	86	26,997,118	67	9,387,244	55	4,064,869	89	1,976,629
1925a.....	43	45,037,576	55	34,480,046	51	13,014,532	35	5,352,827	71	2,725,245
1926.....	48	43,516,402	49	15,004,117	33	4,997,460	35	2,731,322	79	1,587,140
1927.....	21	15,371,485	53	17,520,729	48	6,982,243	43	3,210,880	76	1,841,096
1928.....	31	28,140,539	51	17,022,828	37	5,650,756	35	2,572,810	50	897,241
1929.....	43	35,051,976	49	16,235,460	32	4,658,608	31	2,171,540	45	958,411
1930.....	35	28,794,349	47	16,108,593	31	4,387,620	22	1,537,537	50	1,168,590
1931.....	30	23,206,818	44	14,279,223	21	2,963,519	23	1,586,587	49	1,036,909
1932.....	16	11,464,593	42	13,593,018	25	3,742,163	19	1,442,375	60	1,160,250

a From July 1, 1924, to December 31, 1925.

TABLE 7—CLASSIFICATION OF LOCAL MINES, 1916-1932—BY YEARS.

Year.	Less than 1,000 tons.		1,000 but less than 10,000 tons.		10,000 but less than 50,000 tons.		50,000 but less than 100,000 tons.		100,000 tons and over.	
	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.
1916.....	306	121,027	192	639,835	16	257,671	3	195,830	1	175,931
1917.....	264	99,318	187	635,827	33	582,591	1	83,589	1	170,148
1918.....	329	118,494	235	766,320	31	540,719	1	81,963	1	165,745
1919.....	354	118,769	179	551,509	29	454,617	1	69,849	1	152,319
1920.....	313	115,143	223	651,542	27	543,029	1	72,771	1	128,558
1921.....	374	332,961	224	646,047	46	672,598	2	131,260	-----	-----
1922a.....	-----	-----	748	1,106,052	31	622,068	2	142,614	-----	-----
1923.....	401	160,010	323	1,000,380	35	633,466	1	69,673	2	239,729
1924.....	380	138,778	283	881,841	26	436,757	4	263,848	1	258,078
1925b.....	380	291,966	241	1,323,006	31	1,000,778	3	201,439	3	356,588
1926.....	422	139,183	216	596,406	33	687,175	4	270,520	2	283,530
1927.....	393	131,110	230	705,046	36	684,263	5	343,436	1	159,412
1928.....	387	165,291	223	723,526	38	746,446	2	155,515	1	136,120
1929.....	354	115,406	209	691,352	32	585,050	6	388,376	2	271,550
1930.....	482	145,875	233	763,597	34	729,229	4	271,861	1	127,946
1931.....	514	161,439	234	731,326	75	887,518	4	299,282	-----	-----
1932.....	555	186,740	314	987,739	56	1,108,543	5	321,685	1	113,680

a In 1922 all mines producing less than 10,000 tons were put in one class.

b From July 1, 1924, to December 31, 1925.

TABLE 8—CLASSIFICATION OF SHIPPING

Districts.	Less than 50 days.				50 but less than 100 days.			
	Mines.	Days.	Men.	Tons.	Mines.	Days.	Men.	Tons.
First.....								
Second.....	1	17	138	6,862	2	175	291	84,482
Third.....	1	14	123	3,850	1	77	80	24,368
Fourth.....	3	131	1,760	484,011	6	466	1,898	759,267
Fifth.....	1	41	859	180,086	1	65	60	49,974
Sixth.....	1	36	165	12,118	5	341	2,164	996,539
Seventh.....	1	23	257	8,400	3	276	344	79,135
Eighth.....	4	131	312	61,275	12	838	984	377,477
Ninth.....	5	144	616	56,007	4	264	526	213,774
Tenth.....	2	98	940	270,124	1	58	233	73,472
Eleventh.....	1	11	135	8,827	4	358	1,925	891,218
Twelfth.....	5	102	495	61,533	3	190	46	9,412
Total and average.....	25	30	5,800	1,153,093	42	74	8,551	3,559,118

MINES BY DAYS WORKED—BY DISTRICTS.

100 but less than 150 days.				150 but less than 200 days.				200 days or over.			
Mines.	Days.	Men.	Tons.	Mines.	Days.	Men.	Tons.	Mines.	Days.	Men.	Tons.
1	125	91	38,154	-----	-----	-----	-----	4	1,031	995	1,829,789
4	471	928	511,531	-----	-----	-----	-----	1	240	191	250,426
2	245	573	343,970	3	521	484	983,058	-----	-----	-----	-----
9	1,046	3,237	2,353,991	-----	-----	-----	-----	-----	-----	-----	-----
1	100	1,768	541,655	2	367	547	862,923	1	234	47	40,185
6	712	2,395	1,585,756	-----	-----	-----	-----	-----	-----	-----	-----
5	626	1,582	863,058	3	517	330	369,496	-----	-----	-----	-----
9	1,081	1,078	1,009,432	5	843	512	457,651	-----	-----	-----	-----
6	704	1,537	1,515,772	6	1,059	684	2,135,211	1	232	200	1,011,574
9	1,067	7,061	5,655,348	2	315	1,207	1,065,415	-----	-----	-----	-----
4	487	1,891	1,245,680	-----	-----	-----	-----	1	228	113	285,325
7	810	2,169	1,570,917	3	498	107	165,866	-----	-----	-----	-----
63	119	24,310	17,233,264	24	172	3,871	6,039,625	8	246	1,546	3,417,299

TABLE 9—SHIPPING MINES—LOCATION, TONS MINED AND RANK, EMPLOYEES, DAYS WORKED, AVERAGE DAILY PRODUCTION AND RANK, ARRANGED IN ALPHABETICAL ORDER.

Rank.	Name of operator and mine.	Location.		Production in tons.	Number employed.	Days worked.	Av. daily production.	
		District.	Postoffice of mine.				Tons.	Rank.
91	Alcoa Ore Co.	8	Belleville.....	80,400	164	67	1,200	80
151	Bailey Bros.	9	Duquoin.....	4,555	15	100	46	157
135	Beckemeyer Coal Co., N.	8	Beckemeyer.....	13,768	74	50	275	134
7	Bell & Zoller Coal and Mining Co., No. 1	10	Zeigler.....	698,870	639	109	6,412	4
5	Bell & Zoller Coal and Mining Co., No. 2	10	Zeigler.....	756,006	1,039	117	6,462	3
43	Blue Bird Coal Co.	11	Carrier Mills.....	285,325	113	228	1,251	77
93	Brewerton Coal Corp., No. 21	10	West Frankfort.....	73,472	233	58	1,257	74
95	Brewerton Coal Corp., No. 22	10	Sesset.....	72,699	213	49	1,484	70
118	Brewerton Coal Corp., No. 45	9	Pineknayville.....	28,042	138	42	668	95
86	Brewerton Coal Corp., No. 42	7	Lincoln.....	94,504	291	144	656	97
122	Bullock Mining Co.	4	Canton.....	26,624	78	93	286	133
100	Carbon Fuel Co.	3	Collinsville.....	177,240	303	112	1,583	66
133	Carlin Coal Co.	12	Marion.....	63,298	44	162	391	115
160	Cartersville Coal & Mining Co.	7	Bethalto.....	11,661	31	174	67	153
145	Cartersville Peacock Coal Co.	12	Cartersville.....	1,862	30	24	466	108
66	Central Illinois Coal Mining Co.	12	Herrin.....	7,667	30	4	319	128
119	Central West Coal Co., No. 3	4	Springfield.....	170,294	332	107	1,592	65
46	Centralia Coal Co., No. 5	2	Edwards.....	27,883	91	79	353	120
15	Chicago, Wilmington & Franklin Coal Co., No. 1	9	Centralia.....	267,602	233	141	1,898	58
1	Chicago, Wilmington & Franklin Coal Co., No. 2	10	Orient.....	538,578	1,005	114	4,724	12
89	Chicago Coal Co., No. 1	10	West Frankfort.....	1,091,576	1,218	102	10,408	1
115	Citizens Coal Co., E.	7	Troy.....	81,237	135	147	553	106
133	City Lake Coal Co.	8	Breese.....	36,586	87	116	315	130
97	Clarkson Coal & Mining Co.	12	Herrin.....	15,514	54	106	146	147
48	Coal Stripping Co.	9	Nashville.....	66,225	113	154	430	113
153	Collier Coal Co.	9	Pineknayville.....	233,054	90	155	1,633	61
99	Collinsville Coal Corp., No. 1	7	Tamaroa.....	3,896	18	72	54	155
21	Consolidated Coal Co., No. 7	12	Collinsville.....	64,642	65	181	337	119
17	Consolidated Coal Co., No. 15	6	Herrin.....	431,332	413	132	3,268	29
69	Cosgrove-Meehan Coal Co., No. 1	12	Mt. Olive.....	475,442	566	112	4,245	16
134	Cosgrove-Meehan Coal Co., No. 3	12	Johnston City.....	160,464	313	129	1,244	78
72	Cosgrove-Meehan Coal Co., No. 5	12	Marion.....	14,344	303	12	1,195	81
127	Coulterville Coal Co.	6	Panama.....	147,093	425	63	2,335	42
27	Crerar-Clinch Coal Co., No. 14	9	Coulterville.....	18,243	217	29	629	99
62	Crerar-Clinch Coal Co., No. 15	9	Duquoin.....	398,925	640	106	3,763	22
146	Crescent Mining Co., No. 1	2	Duquoin.....	188,281	71	120	1,569	68
			Peoria.....	6,862	138	17	404	114

23	Crescent Mining Co., No. 6.	420,906	552	143	2,943	36
152	Cutler Coal & Mining Co.	4,102	101	27	152	146
67	Dorthei Coal Co., No. 1.	56,599	200	96	590	102
102	Dorthei Coal Co., No. 2.	169,730	270	133	1,254	76
154	Dorthei Coal Co., No. 3.	3,850	123	14	275	135
125	Edmar Coal Co.	23,965	32	169	142	148
162	Equality Coal Co.	39,700	14	24	152	161
28	Franklin County Coal Co., No. 5.	389,107	635	114	3,413	24
20	Franklin County Coal Co., No. 7.	443,825	628	141	3,148	31
76	Freeman Coal Mining Co.	126,748	328	111	1,142	82
53	Galesburg Mining Co.	238,722	303	157	1,521	69
144	Gill Coal Corp.	7,667	76	34	226	140
56	Gillespie Coal Co.	206,612	195	148	1,396	71
96	Golden Rule Coal Co.	66,748	63	117	570	103
149	Grisom Coal Co., No. 1.	5,713	17	56	102	151
111	Groom Coal Co.	38,858	96	45	864	89
108	Guest Coal Co.	42,441	84	139	305	131
85	Grundlach Coal Co., "Hen"	95,231	108	110	866	88
132	Hennietta Coal Co., "Hen"	15,932	54	85	188	142
65	Hillsboro Coal Co.	172,172	241	137	1,257	75
124	Illinois Colliery Co.	24,368	80	77	316	129
116	Illinois Pochontas Coal Co.	36,549	212	98	373	116
37	Illmo Coal Co.	2,338	13	37	63	154
128	Indiana and Illinois Coal Co., No. 10.	307,409	643	77	3,992	21
156	Jones Bros. Coal Mining Co., No. 1	18,193	74	56	325	127
126	Jones Bros. Coal Mining Co., No. 2.	3,282	147	9	365	117
130	Kolb Coal Co., No. 2.	17,104	97	67	255	139
49	Lake Erie Mining Co.	250,426	191	210	1,043	83
106	Lenzburg Coal Co.	44,184	52	126	351	121
155	Little Muddy Coal Co.	3,350	21	66	51	156
74	Livinston-Mt. Olive Coal Co., No. 1.	133,145	360	110	1,210	79
45	Lunningli Coal Co., No. 2.	278,389	234	133	2,093	47
143	Madison County Coal & Mining Co.	8,400	257	23	365	118
39	Marion County Coal Co.	293,163	234	162	1,810	60
10	Midland Electric Coal Corp., No. 1	616,901	102	233	2,105	46
54	Mine B Coal Co.	225,567	463	108	2,089	49
61	Moffat Coal Co.	189,979	382	64	2,908	35
40	Mt. Olive & Staunton Coal Co., No. 2	289,485	571	101	2,866	37
113	Mowesqua Coal Corp., No. 1.	37,333	109	113	330	126
87	Mulberry Hill Coal Co.	86,104	80	133	617	98
4	Northern Illinois Coal Corp.	976,178	221	289	3,378	26
90	Odin Coal Co.	80,782	182	135	568	101
32	O'Gara Coal Co., No. 1	356,854	628	110	3,244	30
44	O'Gara Coal Co., No. 3.	283,331	343	141	2,090	55
60	O'Gara Coal Co., No. 10	197,095	374	99	1,991	56
161	Ogenore Coal Co.	1,799	15	81	22	162
120	Okay Coal & Mining Co.	27,769	97	69	463	110
8	Old Ben Coal Corp., No. 8.	635,821	598	140	4,311	13
10	West Frankfort					

TABLE 9—Concluded.

Rank.	Name of operator and mine.	Location.		Production in tons.	Number employed.	Days worked.	Av. daily production.	
		District.	Postoffice of mine.				Tons.	Rank.
59	Old Ben Coal Corp., No. 14.....	10	Buckner.....	197,425	727	40	4,029	19
11	Old Ben Coal Corp., No. 15.....	10	Ezra.....	611,925	529	123	4,026	20
9	Old Ben Coal Corp., No. 18.....	12	Johnston City.....	625,216	739	123	5,083	9
98	Pana Coal Co., No. 1.....	4	Pana.....	64,942	201	93	698	94
79	Panther Creek Mines, No. 1.....	4	Auburn.....	115,731	698	57	2,080	53
57	Panther Creek Mines, No. 4.....	4	Springfield.....	202,453	363	125	1,620	63
83	Panther Creek Mines, No. 5.....	4	Springfield.....	100,639	253	113	891	87
19	Peabody Coal Co., No. 7.....	4	Kinsaid.....	449,088	446	108	4,158	17
38	Peabody Coal Co., No. 8.....	4	Tovey.....	297,164	1,081	48	6,191	5
12	Peabody Coal Co., No. 9.....	4	Langleyville.....	589,086	417	110	5,355	8
24	Peabody Coal Co., No. 10.....	10	West Frankfort.....	420,804	670	125	3,366	27
18	Peabody Coal Co., No. 18.....	10	West Frankfort.....	453,490	678	163	2,782	38
13	Peabody Coal Co., No. 19.....	5	Danville.....	553,010	441	173	3,197	33
53	Peabody Coal Co., No. 24.....	12	Cartersville.....	200,804	305	101	1,989	57
34	Peabody Coal Co., No. 25.....	11	Harrisburg.....	341,258	635	106	3,219	31
22	Peabody Coal Co., No. 43.....	11	Harrisburg.....	423,737	870	89	4,761	11
71	Peabody Coal Co., No. 51.....	4	Springfield.....	156,343	234	96	1,629	62
80	Peabody Coal Co., No. 52.....	4	Riverton.....	113,605	361	48	2,367	41
78	Peabody Coal Co., No. 53.....	4	Springfield.....	122,556	317	78	1,571	67
73	Peabody Coal Co., No. 57.....	4	Springfield.....	142,020	148	65	2,185	45
30	Peabody Coal Co., No. 58.....	4	Taylorville.....	361,764	319	107	3,381	25
70	Peabody Coal Co., No. 59.....	4	Springfield.....	157,675	300	77	2,048	52
159	Pendley & Wilkinson Coal Co.....	12	Marion.....	1,900	14	35	36	158
94	Penwall Coal Mining Co.....	4	Pana.....	73,242	318	53	2,093	48
77	Perfection Coal Co.....	9	Duquoin.....	125,797	50	127	991	85
58	Perry Coal Co., "Carbon".....	8	O'Fallon.....	85,755	108	158	543	107
55	Perry Coal Co., "St. Ellen".....	8	O'Fallon.....	220,456	220	169	1,304	72
138	Perry Coal Co., "Taylor".....	8	O'Fallon.....	2,200	93	3	733	93
136	Piazza Coal Co.....	8	Belleville.....	12,550	47	49	256	138
123	Power Coal Co.....	8	Freeburg.....	25,946	65	74	331	122
101	Prairie Coal Co.....	8	Belleville.....	58,820	143	89	661	126
81	Prairie State Coal Co.....	1	Granville.....	104,555	432	235	445	111
140	Puritan Coal Co.....	12	Johnston City.....	10,779	17	108	100	152
2	Pyramid Coal Corp.....	9	Pinekeyville.....	1,011,574	200	232	4,360	15
117	Quality Coal & Mining Co.....	8	Belleville.....	29,605	67	88	336	125
47	Rex Coal Co.....	11	Eldorado.....	262,237	285	130	2,017	54
120	Roanoke Coal & Tile Co.....	2	Roanoke.....	17,698	113	102	174	143
41	St. Louis & O'Fallon Coal Co., No. 2.....	8	East St. Louis.....	286,868	424	116	2,473	40
114	St. Louis Coal & Iron Co.....	12	Johnston City.....	36,960	118	38	974	86
68	Saugamon Coal Co., No. 2.....	4	Springfield.....	160,396	353	124	1,295	73

141	Sargent Coal Co.	8	Caseyville.	47	62	152	145
105	Service Coal Co.	8	Belleville.	91	175	272	136
112	Shuler Coal Mining Co.	1	Albia.	91	125	305	132
147	South Mine Coal Co.	1	Carlinville.	16	51	124	149
82	Southern C. C. & Mining Co., No. 7.	8	Carlinville.	127	104	997	84
107	Southern C. C. & Mining Co., No. 9.	8	Belleville.	53	75	567	104
121	Southern Illinois Coal Mining Co., No. 1.	11	New Baden.	117	81	343	123
150	Spillertown Mining Co.	12	Norris City.	22	161	30	163
139	Summit Coal Co.	8	Marion.	30	97	119	150
42	Superior Coal Co., No. 1.	6	Belleville.	431	89	3,216	32
35	Superior Coal Co., No. 2.	6	Gillespie.	613	100	3,312	28
31	Superior Coal Co., No. 3.	6	Gillespie.	671	102	3,529	23
50	Superior Coal Co., No. 4.	6	Gillespie.	649	61	4,091	18
104	Sutton, W. C.	2	Minonk.	205	113	440	112
148	Tamaron Coal Co., No. 43.	9	Tamaroa.	19	199	31	150
110	Tifton Mining Co.	5	Tamaroa.	47	234	172	144
33	Truax-Tracer Coal Co.	3	Danville.	73	182	1,888	59
29	Truax-Tracer Coal Co., No. 1.	9	St. David.	144	185	2,068	50
25	Truax-Tracer Coal Co., No. 2.	9	Elkville.	118	187	2,249	43
126	Ubbehen Coal Co.	2	DeSoto.	53	113	206	141
75	Union Coal Co.	1	Pekin.	240	214	618	109
16	Union Colliery Co.	9	LaSalle.	528	110	4,824	10
36	United Electric Coal Co., No. 1.	5	Dwell.	105	194	1,598	61
26	United Electric Coal Co., No. 9.	3	Danville.	108	182	2,202	44
3	United Electric Coal Co., No. 11.	5	Cuba.	200	179	5,025	6
103	United Electric Coal Co., No. 12.	9	Duquoin.	60	65	769	92
51	United Electric Coal Co., No. 13.	5	Danville.	53	120	2,063	51
14	United Electric Coal Co., "Bun."	5	Freeburg.	1,738	100	5,417	7
63	United States Fuel Co., "Verm."	10	Georgetown.	859	41	4,393	14
6	Valter Coal Co.	10	Georgetown.	629	105	6,769	2
92	Vinegar Hill Coal Co.	8	Valer.	79,807	172	465	109
137	Virdeen Coal Co., No. 1.	6	Lenzburg.	61	36	337	121
84	Wallace Coal Co.	12	Virdeen.	165	175	559	105
52	Wasson Coal Co., No. 1.	11	Marion.	41	89	2,726	39
142	Wasson Coal Co., No. 2.	11	Harrisburg.	564	11	802	90
109	White Coal Co.	8	Harrisburg.	135	53	799	91
131	Winkel Coal Co.	9	Belleville.	73	62	267	137
			Swanwick.	105			
	Total			44,078	(a) 107	293,480	---

(a) Average.

TABLE 10—OUTPUT OF SHIPPING MINES

Number.	Name of operator.	Name, number or letter of shaft.	Post office address of mine.	Number of days in operation and tons of coal mined.							
				January.		February.		March.		April.	
				Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
HENRY COUNTY—FIRST DISTRICT.											
1	Midland Electric Coal Corp.-----	No. 1	Atkinson-----	25	53,189	25	56,106	27	60,648	23	49,813
2	Shuler Coal Mining Co.-----	Alpha	Alpha-----	13	4,912	14	5,261	16	6,558	--	-----
	Total and average.-----			19	58,101	20	61,367	22	67,206	23	49,813
LASALLE COUNTY—FIRST DISTRICT.											
1	Union Coal Co.-----	Union	Peru-----	18	10,797	21	12,142	22	12,903	13	7,943
PUTNAM COUNTY—FIRST DISTRICT.											
1	Prairie State Coal Co.-----	Mark	Granville-----	21	7,266	19	6,542	18	7,394	17	5,978
WILL COUNTY—FIRST DISTRICT.											
1	Northern Illinois Coal Corp.-----	No. 10	Wilmington----	25	89,312	25	86,529	27	88,527	21	75,603
PEORIA COUNTY—SECOND DISTRICT.											
1	Crescent Mining Co.-----	No. 6	Peoria-----	23	80,221	23	80,732	27	93,999	--	-----
2	Dorthel Coal Co.-----	No. 1	Hanna City-----	14	6,429	11	1,858	--	--	--	-----
3	Central West Coal Co.-----	No. 3	Edwards-----	11	4,434	11	4,053	13	5,163	--	-----
4	Crescent Mining Co.-----	No. 1	Peoria-----	--	--	--	--	--	--	--	-----
	Total and average.-----			16	91,084	15	86,643	20	99,162	--	-----
TAZEWELL COUNTY—SECOND DISTRICT.											
1	Lake Erie Mining Co.-----		Peoria-----	17	19,103	17	18,948	25	28,391	20	21,625
2	Ubben Coal Co.-----		Pekin-----	18	3,874	13	2,553	16	3,139	--	-----
	Total and average.-----			18	22,977	15	21,501	21	31,530	20	21,625
WOODFORD COUNTY—SECOND DISTRICT.											
1	W. G. Sutton.-----	No. 2	Minonk-----	10	4,307	9	3,709	15	6,513	--	-----
2	Roanoke Coal & Tile Co.-----	No. 1	Roanoke-----	10	1,650	8	1,272	10	1,501	--	-----
	Total and average.-----			10	5,957	9	4,981	13	8,014	--	-----
FULTON COUNTY—THIRD DISTRICT.											
1	United Electric Coal Co.-----	No. 9	Cuba-----	20	46,664	23	48,761	22	51,951	8	16,980
2	Truax Traer Coal Co.-----	St. David	St. David-----	22	35,320	18	29,649	22	46,732	5	9,146
3	Canton Coal Co.-----		Norris-----	13	22,658	19	33,160	26	44,691	--	-----
4	Dorthel Coal Co.-----	No. 2	Farmington-----	16	20,469	21	27,196	27	34,786	20	25,097
5	Illinois Colliery Co.-----		Farmington-----	13	4,243	12	3,988	19	5,853	--	-----
6	Dorthel Coal Co.-----	No. 3	Farmington-----	--	--	--	--	--	--	--	-----
	Total and average.-----			17	129,354	19	142,754	23	184,013	11	51,223
KNOX COUNTY—THIRD DISTRICT.											
1	Galesburg Mining Co.-----	No. 1	Galesburg-----	14	21,643	16	24,164	24	35,735	10	15,351

AND DAYS WORKED EACH MONTH IN 1932.

Number of days in operation and tons of coal mined.

May.		June.		July.		August.		September.		October.		November.		December.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
25	55,915	26	53,064	25	49,866	20	37,443	20	40,956	26	53,804	25	51,710	26	54,387	293	616,901	1
--	-----	--	-----	--	-----	2	174	13	1,624	20	5,138	23	6,655	24	7,832	125	38,154	2
25	55,915	26	53,064	25	49,866	11	37,617	17	42,580	23	58,942	24	58,365	25	62,219	209	655,055	
10	6,325	8	5,545	5	2,863	17	10,274	25	15,368	26	16,931	25	16,080	24	14,979	214	132,155	1
21	8,195	26	10,149	23	10,260	20	9,610	24	14,004	22	12,528	13	6,560	11	6,069	235	104,555	1
24	87,262	26	98,370	25	88,315	22	70,993	18	55,534	26	82,177	24	73,025	26	80,531	289	976,178	1
--	-----	--	-----	--	-----	1	201	--	-----	19	25,414	24	61,969	26	78,370	143	420,906	1
--	-----	--	-----	--	-----	--	-----	--	-----	23	12,056	23	16,794	25	19,462	96	56,599	2
--	-----	--	-----	--	-----	--	-----	--	-----	8	2,414	14	4,580	22	7,239	79	27,883	3
--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	17	6,862	17	6,862	4
--	-----	--	-----	--	-----	1	201	--	-----	17	39,884	20	83,343	23	111,933	84	512,250	
19	19,169	20	19,639	21	21,377	12	11,957	15	14,403	25	24,973	24	24,737	25	26,104	240	250,426	1
--	-----	--	-----	--	-----	--	-----	4	553	19	3,501	19	3,983	24	5,635	113	23,238	2
19	19,169	20	19,639	21	21,377	12	11,957	10	14,956	22	28,474	22	28,720	25	31,739	177	273,664	
--	-----	--	-----	--	-----	12	4,060	14	6,008	16	7,735	17	8,085	20	9,272	113	49,689	1
--	-----	--	-----	--	-----	--	-----	9	945	18	2,979	23	4,628	24	4,723	102	17,698	2
--	-----	--	-----	--	-----	12	4,060	12	6,953	17	10,714	20	12,713	22	13,995	108	67,387	
10	30,328	12	27,932	19	50,750	15	30,710	--	-----	14	26,522	16	28,155	23	41,944	182	400,697	1
16	30,860	14	26,146	24	43,750	15	28,934	--	-----	14	28,134	13	27,089	19	37,879	182	343,639	2
--	-----	--	-----	--	-----	3	2,933	--	-----	16	19,677	18	27,605	17	26,516	112	177,240	3
12	14,083	13	15,834	16	19,367	8	9,898	--	-----	--	-----	--	-----	--	-----	133	166,730	4
--	-----	--	-----	--	-----	--	-----	--	-----	3	479	9	3,071	21	6,734	77	24,368	5
--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	14	3,850	14	3,850	6
13	75,271	13	69,912	20	113,867	10	72,475	--	-----	12	74,812	14	85,920	19	116,923	117	1,116,524	
12	17,321	12	19,314	8	13,299	3	5,819	--	-----	12	17,553	21	32,206	25	36,317	157	238,722	1

TABLE 10—

Number.	Name of operator.	Name, number or letter of shaft.	Post office address of mine.	Number of days in operation and tons of coal mined.							
				January.		February.		March.		April.	
				Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
CHRISTIAN COUNTY—FOURTH DISTRICT.											
1	Peabody Coal Co.	No. 9	Langleyville	12	65,944	13	75,138	24	134,414		
2	Peabody Coal Co.	No. 7	Kincaid	12	67,913	12	68,593	23	130,472		
3	Peabody Coal Co.	No. 58	Taylorville	12	41,969	15	51,564	25	91,062		
4	Peabody Coal Co.	No. 8	Tovey	9	56,086	9	59,385	22	143,398		
5	Penwell Coal Mining Co.		Pana	5	10,945	5	11,841	8	17,746		
6	Pana Coal Co.	No. 1	Pana	18	12,812	18	12,785	20	15,334		
Total and average				11	255,669	12	279,306	20	532,426		
LOGAN COUNTY—FOURTH DISTRICT.											
1	Brewerton Coal Co.	No. 92	Lincoln	17	12,044	19	11,481	25	16,642		
SANGAMON COUNTY—FOURTH DISTRICT.											
1	Mine B Coal Co.	B	Springfield	17	37,134	16	33,822	24	52,500		
2	Panther Creek Mines	No. 4	Springfield	11	19,415	10	16,929	20	34,307		
3	Central Illinois Coal Mining Co.	A	Springfield	14	20,774	14	22,551	25	43,158		
4	Sangamon Coal Co.	No. 2	Springfield	21	27,133	20	26,827	25	33,675		
5	Peabody Coal Co.	No. 59	Springfield	21	47,137	22	49,846	26	58,450		
6	Peabody Coal Co.	No. 51	Springfield	14	27,107	21	40,586	26	51,527		
7	Peabody Coal Co.	No. 57	Springfield	16	36,858	18	41,794	25	61,013		
8	Peabody Coal Co.	No. 53	Springfield	15	27,132	15	28,939	24	52,750		
9	Panther Creek Mines	No. 1	Auburn	18	34,687	15	32,379	24	48,665		
10	Peabody Coal Co.	No. 52	Riverton	12	28,505	13	31,254	23	53,846		
11	Panther Creek Mines	No. 5	Springfield	15	9,737	12	7,378	19	17,376		
Total and average				16	315,619	16	332,305	24	507,267		
VERMILION COUNTY—FIFTH DISTRICT.											
1	Peabody Coal Co.	No. 24	Danville	18	59,035	17	55,961	25	81,752		
2	United States Fuel Co.	Bun	Georgetown	9	51,813	11	59,473	22	118,497		
3	United Electric Coal Co.	No. 1	Danville	23	40,512	23	39,129	25	42,655	8	13,232
4	United States Fuel Co.	Verm	Georgetown	8	37,241	10	46,360	23	96,485		
5	United Electric Coal Co.	No. 12	Danville								
6	Tilton Mining Co.		Danville	20	1,574	12	2,844	26	3,828	21	1,808
Total and average				16	190,175	15	203,767	24	343,217	15	15,040
MACOUPIN COUNTY—SIXTH DISTRICT.											
1	Consolidated Coal Co.	No. 15	Mt. Olive	21	96,851	20	93,886	26	127,981		
2	Superior Coal Co.	No. 3	Gillespie	19	69,271	24	88,333	27	98,801		
3	Superior Coal Co.	No. 2	Gillespie	18	62,535	25	87,205	27	94,111		
4	Superior Coal Co.	No. 1	Gillespie	12	39,502	18	60,420	26	87,972		
5	Superior Coal Co.	No. 4	Gillespie	13	53,136	22	89,487	25	103,500		
6	Gillespie Coal Co.		Gillespie	25	35,842	25	35,557	26	36,960		
7	Viriden Coal Co.		Viriden								
8	South Mine Coal Co.		Carlinville	25	2,724	7	535	3	311	6	658
Total and average				18	359,861	20	455,423	23	549,636	6	658
MONTGOMERY COUNTY—SIXTH DISTRICT.											
1	Indiana & Illinois Coal Co.	No. 10	Nokomis	11	47,962	10	42,839	24	100,797		
2	Hillsboro Coal Co.		Hillsboro	20	26,057	19	24,263	25	30,670		
3	Cosgrove-Meehan Coal Co.	No. 5	Panama	14	34,561	15	38,012	25	61,834		
Total and average				15	108,580	15	105,114	25	193,301		

Continued.

Number of days in operation and tons of coal mined.

May.		June.		July.		August.		September.		October.		November.		December.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
						7	35,354	3	15,904	15	81,236	16	80,018	20	101,078	110	589,086	1
						5	20,879			6	9,953	24	61,459	26	89,819	108	449,088	2
						7	22,577	1	636	10	32,856	18	56,415	19	64,685	107	361,764	3
						5	22,871					1	4,902	2	10,522	48	297,164	4
												9	16,174	8	16,536	35	73,242	5
												18	11,336	19	12,675	93	64,942	6
						6	101,681	2	16,540	10	124,045	14	230,304	16	295,315	84	1,835,286	
								13	4,020	26	16,479	23	16,530	21	17,308	144	94,504	1
11	16,044	4	8,054	5	8,128	3	5,027			11	19,252	22	44,740	18	38,119	108	225,567	1
										17	24,778	23	36,169	21	33,602	125	202,453	2
										13	17,090	19	30,640	22	36,081	107	170,294	3
										13	14,607	22	28,343	23	30,011	124	160,596	4
													8	2,242	77	157,675	5	
												9	5,540	26	31,583	96	156,343	6
													6	2,355	65	142,020	7	
						1	83						23	13,652	78	122,556	8	
															57	115,731	9	
															48	113,605	10	
										18	14,689	24	24,547	25	26,912	113	100,639	11
11	16,044	4	8,054	5	8,128	2	5,110			14	90,416	20	169,979	19	214,557	91	1,667,479	
						13	38,014	25	80,595	26	84,810	24	75,034	25	77,809	173	553,010	1
						6	17,125	10	52,974	15	84,222	14	81,817	13	75,734	100	541,655	2
10	16,852	14	24,043	16	27,699	16	29,097	18	21,942	19	27,404	12	15,519	10	11,834	194	309,918	3
						5	3,078	10	6,819	14	12,152	16				41	180,086	4
20	2,960	18	2,852	19	3,379	12	3,938	21	4,498	17	3,456	24	13,135	20	14,790	65	49,974	5
													4,268	24	4,780	234	40,185	6
15	19,812	16	26,895	18	31,078	10	91,252	17	166,828	18	212,044	18	189,773	18	184,947	135	1,674,828	
												22	65,872	23	90,852	112	475,442	1
				1	3,068							12	38,226	19	62,286	102	359,985	2
												13	38,667	17	51,694	100	334,212	3
												16	45,398	17	52,906	89	286,198	4
															61	249,534	5	
				8	8,642	6	7,186			13	18,489	20	28,000	25	35,936	148	206,612	6
												14	4,912	22	7,206	36	12,118	7
				1	142								9	1,935	51	6,305	8	
				3	15,263	6	7,186			13	18,489	16	221,075	19	302,815	87	1,930,406	
				2	6,146	2	7,462			3	9,182	12	44,804	13	48,217	77	307,409	1
								7	6,466	25	28,053	19	25,819	22	30,844	137	172,172	2
													9	12,686	63	147,093	3	
				2	6,146	2	7,462	7	6,466	14	37,235	16	70,623	15	91,747	92	626,674	

TABLE 10—

Number.	Name of operator.	Name, number or letter of shaft.	Post office address of mine.	Number of days in operation and tons of coal mined.							
				January.		February.		March.		April.	
				Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
SHELBY COUNTY—SIXTH DISTRICT											
1	Moweaqua Coal Corp.....	No. 1	Moweaqua.....	17	5,200	14	4,607	20	6,726		
BOND COUNTY—SEVENTH DISTRICT.											
1	Illinois Pocahontas Coal Co.....		Pocahontas.....	22	6,499	15	4,522	25	8,482	10	4,697
MADISON COUNTY—SEVENTH DISTRICT.											
1	Mt. Olive & Staunton Coal Co.....	No. 2	Staunton.....	17	53,755	17	53,142	26	86,557		
2	Lumaghi Coal Co.....	No. 2	Collinsville.....	18	38,458	15	32,172	23	48,751		
3	Livingston-Mt. Olive Coal Co.....	No. 1	Livingston.....					8	4,709	4	4,243
4	Chicopee Coal Co.....	No. 1	Troy.....	14	5,545	13	4,719	16	6,440		
5	Collinsville Coal Corp.....		Collinsville.....	14	7,824	10	6,065	13	7,377	11	3,692
6	Bullock Mining Co.....		Collinsville.....	17	4,934	15	4,476	21	6,286		
7	Henrietta Coal Co.....	Hen	Edwardsville.....	10	2,110	8	1,542	11	2,118	4	228
8	Carlin Coal & Mining Co.....		Bethalto.....	20	1,067	20	920	21	1,072	10	437
9	Madison County Coal & Mining Co.....	No. 4	Edwardsville.....								
Total and average.....				16	113,693	14	103,036	17	163,310	7	8,600
MARION COUNTY—SEVENTH DISTRICT.											
1	Marion County Coal Co.....		Centralia.....	16	28,750	19	36,710	25	46,297		
2	Odin Coal Co.....		Odin.....	10	7,059	9	6,335	20	13,033		
Total and average.....				13	35,809	14	43,045	23	59,330		
CLINTON COUNTY—EIGHTH DISTRICT.											
1	Southern Coal, Coke & Mining Co.....		New Baden.....	11	5,592	12	7,451	12	7,730		
2	Citizens Coal Co.....		Breese.....								
3	Beckemeyer.....		Beckemeyer.....								
Total and average.....				11	5,592	12	7,451	12	7,730		
ST. CLAIR COUNTY—EIGHTH DISTRICT.											
1	St. Louis & O'Fallon Coal Co.....	No. 2	East St. Louis.....	17	43,888	14	36,948	24	60,883		
2	United Electric Coal Co.....	No. 13	Freeburg.....	15	29,950	18	39,110	23	46,944	5	10,272
3	Perry Coal Co.....	St. Ellen	O'Fallon.....	25	35,877	24	34,515	27	36,544		
4	Southern Coal, Coke & Mining Co.....	No. 7	Belleville.....	12	14,064	13	10,493	26	26,897		
5	Gundlach Coal Co.....		East St. Louis.....	17	15,746	16	14,896	25	23,537		
6	Mulberry Hill Coal Co.....		Freeburg.....	22	16,308	22	15,475	23	15,997		
7	Perry Coal Co.....	Carbon	O'Fallon.....	25	13,374	24	13,559	27	15,385		
8	Alcoa Ore Co.....		Belleville.....	23	23,358	17	21,445	27	35,597		
9	Vinegar Hill Coal Co.....		Lenzburg.....	18	9,008	17	8,690	24	14,481	2	564
10	Golden Rule Coal Co.....		Lenzburg.....	15	9,262	19	11,366	25	14,193		
11	Prairie Coal Co.....		Belleville.....	8	5,092	10	6,350	14	8,162	1	1,068
12	Service Coal Co.....		Belleville.....	24	6,855	24	6,376	26	8,435	9	2,051
13	Lenzburg Coal Co.....		Lenzburg.....	12	4,383	14	4,822	24	8,153		
14	Guest Coal Co.....		Belleville.....	18	5,303	12	3,795	14	4,385	1	300
15	White Coal Co.....		Belleville.....	6	4,608	5	4,096	5	4,517		
16	Groom Coal Co.....		Belleville.....	3	2,830	3	2,772	4	3,788	2	1,764
17	Quality Coal & Mining Co.....		Belleville.....	8	3,069	6	2,375	7	2,876	1	433
18	Okay Coal & Mining Co.....		Marissa.....	18	8,408	16	6,850	24	12,134	2	377
19	Power Coal Co.....		Freeburg.....	18	6,377	19	6,903	22	7,965		
20	Eldnar Coal Co.....		Belleville.....	23	2,437	21	2,241	18	2,859	22	2,821
21	Jones Bros. Coal Mining Co.....	No. 1	Marissa.....	20	6,604	17	5,419	19	6,170		
22	Kolb Coal Co.....	No. 2	Mascoutah.....	9	1,008	5	1,259	7	1,864		
23	Piazza Coal Co.....		Belleville.....								
24	Summit Coal & Mining Co.....		Belleville.....	17	2,212	17	1,964	21	2,694		
25	Sargent Coal Co.....		Caseyville.....								
26	Gill Coal Corp.....		Marissa.....								
27	Perry Coal Co.....	Taylor	O'Fallon.....	3	2,200						
Total and average.....				16	272,221	15	261,719	20	364,460	5	19,650

Continued.

Number of days in operation and tons of coal mined.

May.		June.		July.		August.		September.		October.		November.		December.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
								4	850	23	7,942	18	6,107	17	5,901	113	37,333	1
12	5,845	14	6,504													98	36,549	1
6	12,336	7	14,649	6	12,610	4	8,494			9	16,558	21	44,620	20	51,411	101	289,485	1
17	19,908	7	9,231	10	11,531	11	14,696	1	281	16	20,195	18	45,988	23	48,373	133	278,389	2
6	1,728	11	4,568	5	2,980	8	4,477	21	13,170	22	15,207	17	12,548	14	9,875	147	133,145	3
11	3,584	11	3,592	10	3,135	10	1,862	20	5,735	24	7,303	23	7,162	24	7,311	181	81,257	4
										4	1,027	17	4,348	19	5,553	93	64,642	5
								9	1,289	13	2,605	14	2,838	16	3,232	85	26,624	6
5	252	5	85	3	114	10	310	20	1,216	16	1,660	20	1,990	24	2,568	174	15,962	7
												8	2,800	15	5,600	23	11,691	8
																	8,400	9
9	37,808	8	32,125	7	30,370	9	29,839	14	21,691	15	64,555	18	146,794	19	157,774	116	909,595	
						15	24,947	24	44,185	25	46,083	19	33,220	19	32,971	162	293,163	1
						9	4,703	22	12,532	24	14,501	18	10,524	23	12,095	135	80,782	2
						12	29,650	23	56,717	25	60,584	19	43,744	21	45,066	149	373,945	
										8	4,242	14	7,368	18	10,158	75	42,541	1
						14	1,641	14	3,309	19	5,178	24	8,437	23	9,843	116	36,586	2
										17	3,275	16	4,664	17	5,829	50	13,768	3
						14	1,641	14	3,309	19	5,178	16	16,004	17	20,660	19	25,330	
																80	92,895	
										15	32,982	22	52,984	24	59,183	116	286,868	1
5	10,604	7	14,023	7	14,052	3	6,443			5	9,764	11	23,211	21	43,158	120	247,531	2
				10	9,020	9	8,956	6	1,207	20	22,070	23	31,787	25	40,480	169	220,456	3
										11	9,829	23	23,084	19	19,372	104	103,739	4
										10	7,243	20	15,854	22	17,955	110	95,231	5
										19	10,788	23	13,968	24	13,568	133	86,104	6
				5	2,578	9	5,155			19	10,130	23	12,038	26	13,536	158	85,755	7
																67	80,400	8
15	2,458	15	2,813	12	4,859	11	3,167			19	10,119	19	10,879	20	12,859	172	79,897	9
										15	8,238	21	11,605	22	12,084	117	66,748	10
										15	9,966	20	13,556	21	14,626	89	58,820	11
7	1,442	5	1,135	3	647			14	184	26	8,058	24	5,576	26	6,819	175	47,578	12
								14	4,551	20	7,227	21	7,570	21	7,478	126	44,184	13
2	436	1	151	1	224	1	131	17	4,883	26	8,957	21	5,697	25	8,179	139	42,441	14
				2	1,392	2	1,639			8	6,667	12	9,249	13	10,179	53	42,357	15
3	2,312	2	1,858	2	1,776	2	1,332			5	3,838	8	6,288	11	10,300	45	38,858	16
1	203	1	380	1	351	1	391			13	4,359	23	7,348	26	7,820	88	29,605	17
																60	27,769	18
5	1,720									10	2,981					74	25,946	19
13	1,709			11	1,253	6	711			13	2,162	24	3,856	18	3,916	169	23,965	20
																56	18,193	21
		2	875	2	1,056	1	704	1	363	9	1,338	12	3,507	19	5,130	67	17,104	22
										10	1,710	20	5,250	19	5,560	49	12,550	23
		4	417	10	1,084			1	80	6	557	9	1,036	12	1,517	97	11,561	24
						8	662	7	1,064	19	3,703	10	1,792	18	2,192	62	9,413	25
										15	3,212	7	2,024	12	2,431	34	7,667	26
																3	2,200	27
6	20,884	5	21,652	6	38,292	5	29,291	7	12,332	14	185,908	18	268,189	20	318,342	98	1,812,940	

TABLE 10—

Number.	Name of operator.	Name, number or letter of shaft.	Post office address of mine.	Number of days in operation and tons of coal mined.								
				January.		February.		March.		April.		
				Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
JACKSON COUNTY—NINTH DISTRICT.												
1	Union Colliery Co.		Dowell.	8	38,476	7	34,465	15	72,162			
2	Truax-Traer Coal Co.	No. 2	DeSoto.	18	37,414	18	39,207	23	58,207	6	14,336	
3	Truax-Traer Coal Co.	No. 1	Elkville.	21	46,014	23	49,818	23	54,749			
4	Little Muddy Coal Co.	No. 1	Hurst.									
	Total and average.			16	121,904	16	123,490	20	185,118	6	14,336	
PERRY COUNTY—NINTH DISTRICT.												
1	Pyramid Coal Corp.		Pinckneyville.	21	94,698	21	94,788	25	108,429	6	28,805	
2	United Electric Coal Co.	No. 11	Duquoin.	13	79,066	16	95,798	23	129,768	4	22,674	
3	Crerar-Clinch Coal Co.	No. 14	Duquoin.	9	34,398	9	34,995	13	50,932			
4	Coal Stripping Co.		Pinckneyville.	16	30,946	16	31,526	17	32,133	3	6,134	
5	Crerar-Clinch Coal Co.	No. 15	Duquoin.	10	16,659	11	19,663	15	27,500			
6	Perfection Coal Co.		Duquoin.	9	8,292	14	14,159	26	27,556	4	3,422	
7	Brewerton Coal Co.	No. 45	Pinckneyville.	13	8,739	16	10,905	13	8,398			
8	Coulterville Coal Co.		Coulterville.									
9	Winkle Coal Co.		Swanwick.									
10	Tamaroa Coal Co.	No. 43	Tamaroa.	16	425	14	445	18	717	12	184	
11	Bailey Bros.		Duquoin.	16	831	12	539	15	708			
12	Cutler Coal & Mining Co.		Cutler.									
13	Collier Coal Co.		Tamaroa.	8	274	5	211	6	355	1	27	
	Total and average.			13	274,328	13	303,029	17	386,496	5	61,246	
RANDOLPH COUNTY—NINTH DISTRICT.												
1	Moffat Coal Co.		Sparta.	8	23,310	9	26,557	13	39,345			
2	Jones Bros. Coal Mining Co.	No. 2	Marissa.					4	1,808			
3	Illmo Coal Co.		Sparta.									
	Total and average.			8	23,310	9	26,557	9	41,153			
WASHINGTON COUNTY—NINTH DISTRICT.												
1	Centralia Coal Co.	No. 5	Centralia.	11	20,648	11	20,464	18	33,096			
2	Clarkson Coal & Mining Co.		Nashville.	15	6,703	19	8,202	22	10,258	10	4,509	
	Total and average.			13	27,351	15	28,666	20	43,354	10	4,509	
FRANKLIN COUNTY—TENTH DISTRICT.												
1	Chicago, Wilmington & Franklin Coal Co.	New	Orient.	12	127,618	11	118,545	20	210,449			
2	Bell & Zoller Coal & Mining Co.	No. 2	Zeigler.	11	74,687	11	76,067	19	130,502			
3	Valier Coal Co.		Valier.	8	51,675	22	151,273	26	178,918			
4	Bell & Zoller Coal & Mining Co.	No. 1	Zeigler.	10	68,659	13	89,110	15	97,400			
5	Old Ben Coal Corp.	No. 8	West Frankfort.	19	85,649	20	90,256	24	113,611			
6	Old Ben Coal Corp.	No. 15	Ezra.	18	73,707	19	78,471	25	97,717			
7	Chicago, Wilmington & Franklin Coal Co.											
8	Peabody Coal Co.	No. 1	Orient.	11	52,239	14	68,028	19	89,350			
9	Franklin County Coal Co.	No. 19	West Frankfort.	25	74,817	21	59,168	25	70,213			
10	Peabody Coal Co.	No. 7	Royalton.	14	44,975	18	58,217	22	72,038			
11	Franklin County Coal Co.	No. 18	West Frankfort.	9	21,277	16	37,357	23	82,405			
12	Old Ben Coal Corp.	No. 5	Herrin.	13	46,851	11	39,991	20	68,544			
13	Brewerton Coal Co.	No. 14	Buckner.	15	61,046	15	59,935	19	76,444			
14	Brewerton Coal Co.	No. 21	West Frankfort.	18	22,907	17	23,206	23	27,359			
	Total and average.	No. 22	Sesser.	15	23,208	14	22,114	20	27,377			
	Total and average.			14	829,315	16	991,738	21	1,342,297			

Continued.

Number of days in operation and tons of coal mined.

May.		June.		July.		August.		September.		October.		November.		December.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
9	21,228	10	19,907	22	52,432	12	48,111	19	92,151	19	97,680	16	74,954	15	72,613	110	530,612	1
3	6,569	8	18,503			21	28,505	17	34,749	19	43,954	15	37,051	18	33,516	187	420,506	2
							39,963	24	43,688	23	48,860	18	36,922	21	37,414	185	382,500	3
								10	450	15	630	20	1,000	21	1,270	66	3,350	4
6	27,797	9	38,410	22	52,432	15	116,579	18	171,038	19	191,124	17	149,927	19	144,813	137	1,336,968	
15	68,887	20	93,205	25	119,518	11	55,561	19	77,376	24	91,070	22	90,104	23	89,133	232	1,011,574	1
4	21,014	11	63,893	17	96,066	11	63,543	20	106,383	26	146,073	14	76,798	20	105,748	179	1,006,824	2
						16	50,905	17	65,263	11	42,934	18	71,401	13	48,097	106	398,925	3
2	5,478				11,909	14	21,861	18	29,771	20	27,827	21	27,461	20	28,008	155	253,054	4
					8,088	15	20,995	17	26,476	19	26,674	14	20,772	14	21,454	120	188,281	5
5	4,981	6	5,988	6	5,975	14	13,432	8	7,868	15	14,999	9	8,833	11	10,292	127	125,797	6
																42	28,042	7
										21	2,897	18	5,156	21	13,087	29	18,243	8
10	67	10	55	12	144	18	326	22	651	23	1,181	21	5,431	23	8,221	62	16,549	9
				2	68	3	135	8	326	13	530	15	980	23	927	199	6,102	10
											20		641	16	777	100	4,555	11
											20		1,870	7	2,232	27	4,102	12
		1	30	3	83	4	168	1	76	20	866	23	1,806			72	3,896	13
7	100,427	10	163,171	10	241,851	12	226,926	14	314,190	19	355,051	17	311,253	17	327,976	112	3,065,944	
						5	11,783	8	24,045	6	18,980	7	21,244	8	24,713	64	189,979	1
										4	198	19		5	1,474	9	3,282	2
													1,052	14	1,088	37	2,338	3
						5	11,785	8	24,045	5	19,178	13	22,296	9	27,275	37	195,599	
						15	27,858	25	48,289	26	51,613	18	34,388	17	31,246	141	267,602	1
12	5,301	11	5,007	13	5,378	3	1,355			6	1,929	19	7,619	24	9,964	154	66,225	2
12	5,301	11	5,007	13	5,378	9	29,213	25	48,289	16	53,542	19	42,007	21	41,210	148	333,827	
						15	147,115	12	122,321	12	125,306	10	105,339	10	104,883	102	1,061,576	1
						9	40,211	24	150,022	18	120,149	11	74,851	14	89,517	117	756,006	2
						3	17,650	12	78,149	11	74,357	11	74,831	12	83,908	105	710,761	3
						9	42,199	19	129,906	18	117,818	12	72,884	13	80,834	109	698,870	4
						6	22,028	19	83,947	20	90,477	16	74,363	16	75,490	140	635,821	5
						15	56,356	23	93,644	22	90,844	13	52,017	17	69,169	152	611,925	6
						16	67,025	14	65,151	14	68,612	10	49,580	16	78,593	114	538,578	7
						14	23,862	19	52,888	20	56,783	21	62,183	18	53,576	163	453,490	8
						15	43,079	21	64,948	22	67,852	13	40,820	16	51,896	141	443,825	9
						12	40,754	16	51,771	14	47,479	20	69,141	15	50,620	125	420,804	10
						7	17,575	16	54,073	18	65,108	12	40,225	17	56,830	114	389,107	11
																49	197,425	12
																58	73,472	13
																49	72,699	14
						11	517,854	18	946,820	17	924,785	14	716,234	15	795,316	110	7,064,359	

TABLE 10—

Number.	Name of operator.	Name, number or letter of shaft.	Post office address of mine.	Number of days in operation and tons of coal mined.								
				January.		February.		March.		April.		
				Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
SALINE COUNTY—ELEVENTH DISTRICT.												
1	Peabody Coal Co.....	No. 47	Harco.....	10	50,059	9	40,376	13	64,871			
2	O'Gara Coal Co.....	No. 1	Harrisburg.....	15	50,344	14	48,210	24	81,926			
3	Peabody Coal Co.....	No. 43	Harrisburg.....	11	36,301	10	31,957	14	47,737			
4	Blue Bird Coal Co.....	No. 1	Carrier Mills.....	17	20,330	15	22,660	22	37,775	8	6,590	
5	O'Gara Coal Co.....	No. 3	Harrisburg.....	15	27,521	14	25,407	16	33,043			
6	Rex Coal Co.....	No. 2	Eldorado.....	15	29,605	14	28,601	22	45,084			
7	Wasson Coal Co.....	No. 1	Harrisburg.....	10	28,642	14	37,797	20	54,935			
8	O'Gara Coal Co.....	No. 10	Eldorado.....	15	29,322	13	25,524	22	43,619			
9	Wasson Coal Co.....	No. 2	Carrier Mills.....	11	8,827							
	Total and average.....			13	280,951	13	260,532	19	408,990	8	6,590	
WHITE COUNTY—ELEVENTH DISTRICT.												
1	Southern Illinois Coal Mining Co	No. 1	Norris City.....									
WILLIAMSON COUNTY—TWELFTH DISTRICT.												
1	Old Ben Coal Corp.....	No. 18	Johnston City..	15	76,310	15	78,480	18	95,344			
2	Consolidated Coal Co.....	No. 7	Herrin.....	7	25,334	7	27,385	16	63,429			
3	Peabody Coal Co.....	No. 25	Cartersville.....	4	8,054	4	8,213	16	33,309			
4	Cosgrove-Meehan Coal Co.....	No. 1	Johnston City..	16	20,653	21	31,747	23	32,251			
5	Freeman Coal Mining Co.....		Herrin.....			9	5,306	13	24,026			
6	Wallace Coal Co.....		Marion.....	22	11,892	24	13,290	24	13,330			
7	Carbon Fuel Co.....		Marion.....	18	6,653	18	6,683	22	8,861			
8	St. Louis Coal & Iron Co.....	No. 2	Johnston City..	12	11,388	12	11,445	14	14,127			
9	City Lake Coal Co.....		Herrin.....	9	1,526	20	3,081	19	3,263			
10	Cosgrove-Meehan Coal Co.....	No. 3	Marion.....									
11	Puritan Coal Co.....	No. 1	Johnston City..	16	1,600	15	1,500	11	1,100	7	700	
12	Cartersville Peacock Coal Co.....		Cartersville.....									
13	W. E. Grissom Coal Co.....		Marion.....									
14	Spillertown Mining Co.....		Johnston City..	14	250	16	250	18	300	12	100	
15	Pendley & Wilkinson Coal Co.....		Marion.....									
16	Cartersville Coal & Mining Co.....		Carbondale.....									
17	Ogmore Coal Co.....		Cambria.....	5	130	5	160	3	59	4	111	
18	Equality Coal Co.....		Herrin.....									
	Total and average.....			13	163,790	14	187,540	16	289,399	8	911	

Concluded.

Number of days in operation and tons of coal mined.

May.		June.		July.		August.		September.		October.		November.		December.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
								18	77,331	14	67,384	16	79,801	9	43,915	89	423,737	1
										17	48,825	19	60,408	21	67,141	110	356,854	2
						14	41,023	17	55,896	14	45,340	17	54,191	9	28,813	106	341,258	3
22	21,380	23	24,650	18	22,640	21	28,030	21	23,378	25	26,565	16	22,997	20	28,330	228	285,325	4
						14	22,413	25	45,170	24	50,869	13	29,899	20	49,009	141	283,331	5
						9	15,941	15	29,585	19	38,523	19	39,473	17	35,425	130	262,237	6
										15	34,318	12	35,474	18	51,473	89	242,639	7
										20	36,137	14	29,598	15	32,895	99	197,095	8
																11	8,827	9
22	21,380	23	24,650	18	22,640	15	107,407	19	231,360	19	347,961	16	351,841	16	337,001	111	2,401,303	
				6	1,352	14	5,194	11	4,402	17	6,172	16	5,099	17	5,528	81	27,747	1
						14	66,414	16	80,147	18	91,351	13	63,863	14	73,307	123	625,216	1
1	723	1	74	1	114	14	37,865	18	52,789	25	78,800	20	69,799	22	75,020	132	431,332	2
						3	4,533	13	25,633	14	28,953	21	41,341	26	50,798	101	200,864	3
						6	3,743	20	20,707	12	14,455	19	23,570	12	13,338	129	160,464	4
						9	6,733	25	21,880	20	21,444	12	16,228	23	31,131	111	126,748	5
						14	8,323	22	11,329	24	13,703	23	12,767	22	13,124	175	97,758	6
						14	5,058	22	8,807	24	10,347	21	7,374	23	9,515	162	63,298	7
																38	36,960	8
						4	378	16	2,109	14	1,671	12	1,852	12	1,634	106	15,514	9
																14	344	10
11	1,100	7	700	3	300	3	300	5	500	5	500	12	1,200	13	1,279	108	10,779	11
												4	1,346	20	6,321	24	7,667	12
										20	2,281	18	1,832	18	1,600	56	5,713	13
10	100	12	100					12	100	20	850	23	1,360	24	1,400	161	4,810	14
										12	372	22	852	19	676	53	1,900	15
											1		498	3	1,364	4	1,862	16
1	17	1	9	2	32	2	45	8	200	10	210	19	396	21	430	81	1,799	17
											10		332	14	368	24	700	18
6	1,940	5	883	2	446	8	133,392	16	224,231	17	264,937	16	244,610	18	295,649	89	1,807,728	

TABLE 11—OUTPUT OF SHIPPING MINES AND

District.	Number of days in operation and total tons of coal mined.											
	January.		February.		March.		April.		May.		June.	
	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
First.....	20	165,476	21	166,580	22	176,035	19	139,337	20	157,697	22	167,128
Second.....	15	120,018	13	113,125	18	138,706	20	21,625	19	19,169	20	19,639
Third.....	16	150,997	18	166,918	23	219,748	11	66,574	13	92,592	13	89,226
Fourth.....	14	583,332	15	623,092	23	1,056,335	—	—	11	16,044	4	8,054
Fifth.....	16	190,175	15	203,767	24	343,217	15	15,040	15	19,812	16	26,895
Sixth.....	17	473,641	18	565,144	23	749,663	6	15,658	—	—	—	—
Seventh.....	16	156,001	14	150,603	19	231,122	8	13,297	10	43,653	9	38,629
Eighth.....	15	277,813	15	269,170	20	372,190	5	19,650	6	20,884	5	21,652
Ninth.....	13	446,893	14	481,742	17	656,121	6	80,091	8	133,525	10	206,588
Tenth.....	14	829,315	16	991,738	21	1,342,297	—	—	—	—	—	—
Eleventh.....	13	280,951	13	260,532	19	408,990	8	6,590	22	21,380	23	24,650
Twelfth.....	13	163,790	14	187,540	16	289,399	8	911	6	1,940	5	883
Total and average....	15	3,838,402	15	4,179,951	20	5,983,823	9	363,773	10	526,696	10	603,344

TABLE 12—SUMMARY BY DISTRICTS—MINES

District.	Total number of mines.	Number of mines working and average days worked each month of the year.											
		January.		February.		March.		April.		May.		June.	
		Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.
First.....	5	5	20	5	21	5	22	4	19	4	20	4	22
Second.....	8	7	15	7	13	6	18	1	20	1	19	1	20
Third.....	7	6	16	6	18	6	23	4	11	4	13	4	13
Fourth.....	18	18	14	18	15	18	23	—	—	1	11	1	4
Fifth.....	6	5	16	5	15	5	24	2	15	2	15	2	16
Sixth.....	12	11	17	11	18	11	23	1	6	—	—	—	—
Seventh.....	12	10	16	10	14	11	19	5	8	6	10	6	9
Eighth.....	30	25	15	24	15	24	20	9	5	8	6	8	5
Ninth.....	22	16	13	16	14	17	17	8	6	8	8	8	10
Tenth.....	14	14	14	14	16	14	21	—	—	—	—	—	—
Eleventh.....	10	9	13	8	13	8	19	1	8	1	22	1	23
Twelfth.....	18	11	13	12	14	12	16	3	8	4	6	4	5
Total and average....	162	137	15	136	15	137	20	38	9	39	10	39	10

DAYS WORKED EACH MONTH BY DISTRICTS.

Number of days in operation and tons of coal mined.

July.		August.		September.		October.		November.		December.		Total.	
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
20	151,304	16	128,494	20	127,486	24	170,578	22	154,030	22	163,798	231	1,867,943
21	21,377	8	16,218	11	21,909	18	79,072	21	124,776	23	157,667	113	853,301
17	127,166	9	78,294			12	92,365	15	118,126	23	153,240	122	1,355,246
5	8,128	5	106,791	6	20,560	14	230,840	18	416,813	18	527,180	91	3,597,269
18	31,078	10	91,252	17	166,828	18	212,044	18	189,773	18	184,947	135	1,674,828
13	21,409	4	14,648	6	7,316	16	63,666	16	297,805	18	400,463	91	2,594,413
7	30,370	10	59,484	17	78,408	17	125,139	18	190,538	20	202,840	120	1,320,089
6	39,933	6	32,600	8	17,510	15	201,912	18	288,849	20	343,672	96	1,965,835
11	299,661	12	384,503	16	557,562	12	618,895	17	525,483	17	541,274	109	4,932,338
		11	517,854	18	946,820	17	924,785	14	716,234	15	795,316	110	7,064,359
12	23,992	14	112,601	18	235,762	18	354,133	16	356,940	16	342,529	108	2,429,050
2	446	8	133,392	16	224,231	17	264,937	16	244,610	18	295,649	89	1,807,728
10	754,864	10	1,676,136	15	2,404,392	17	3,338,466	17	3,623,977	18	4,108,575	107	31,402,399

IN OPERATION AND AVERAGE DAYS WORKED.

Number of mines working and average days worked each month of the year.

July.		August.		September.		October.		November.		December.		The State.	
Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.
4	20	5	16	5	20	5	24	5	22	5	22	5	231
1	21	3	8	4	11	5	18	7	21	8	23	8	113
4	17	5	9			5	12	5	15	6	23	7	122
1	5	6	5	3	6	9	14	13	18	16	18	18	91
2	18	5	10	5	17	5	18	5	18	5	18	6	135
5	3	12	4	12	6	4	16	9	16	11	18	12	91
5	7	7	10	7	17	9	17	11	18	11	20	12	120
13	6	12	6	8	8	26	15	25	18	25	20	30	96
10	11	15	12	15	16	18	12	20	17	20	17	22	109
		11	11	11	18	11	17	11	14	11	15	14	110
2	12	5	14	6	18	9	18	9	16	9	16	10	108
3	2	10	8	11	16	13	17	16	16	17	18	18	89
50	10	86	10	77	15	121	17	136	17	144	18	162	107

TABLE 13—CLASSIFICATION

Number.	Name of operator.	Postoffice of mine.	Underground.													
			Bratticemen.	Cagers.	Drivers.	Boss drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.	
HENRY COUNTY—FIRST DISTRICT.																
1	Midland Electric Coal Corp., No. 1.	Atkinson														
2	Shuler Coal Mining Co., Alpha	Alpha		1	6				1	1		70				
Total				1	6				1	1		70				
LA SALLE COUNTY—FIRST DISTRICT.																
1	Union Coal Co., Union	Peru		2	13				1	3	165		1	11	6	
PUTNAM COUNTY—FIRST DISTRICT.																
1	Prairie State Coal Co., Mark	Granville	1	2	19				2	1		361				
WILL COUNTY—FIRST DISTRICT.																
1	Northern Illinois Coal Corp., No. 10	Wilmington														
PEORIA COUNTY—SECOND DISTRICT.																
1	Crescent Mining Co., No. 6	Peoria	4		24		7		2	6	393		8	18	18	
2	Dorthel Coal Co., No. 1	Hanna City		1	10		2		1	2	143		3	9	9	
3	Central West Coal Co., No. 3	Edwards			5				1	1	60		2	3	3	
4	Crescent Mining Co., No. 1	Peoria			8		2		1	2	82		5	4	4	
Total			4	1	47		11		5	11	678		18	34	34	
TAZEWELL COUNTY—SECOND DISTRICT.																
1	Lake Erie Mining Co.	Peoria			8		3		1	2	118		6	16	16	
2	Ubben Coal Co.	Pekin		2	3				1	1	32		1	4	4	
Total				2	11		3		2	3	150		7	20	20	
WOODFORD COUNTY—SECOND DISTRICT.																
1	W. G. Sutton, No. 2	Minonk		2	9				1	2		175	2			
2	Roanoke Coal & Tile Co., No. 1	Roanoke		1	5				1	2		90	1			
Total				3	14				2	4		265	3			
FULTON COUNTY—THIRD DISTRICT.																
1	United Electric Coal Co., No. 9	Cuba														
2	Truax Traer Coal Co., St. David	St. David														
3	Canton Coal Co.	Norris	1	3	18		1		1	2	207		8	14	14	
4	Dorthel Coal Co., No. 2	Farmington		2	12		2		1	1	136		73	3	7	
5	Illinois Colliery Co.	Farmington		1	6				1	1	30		25		2	
6	Dorthel Coal Co., No. 3	Farmington		1	6				1	2	75		14	1	2	
Total				1	7	42		3		4	6	448	112	12	25	25
KNOX COUNTY—THIRD DISTRICT.																
1	Galesburg Mining Co., No. 1	Galesburg	1	2	17		3		2	4	190		10	6	12	12

OF MINE EMPLOYEES.

Underground.										On surface.														Total—all employees. Number.			
Pumpmen and pipemen.	Shot firers.	Shot firers' runners.	Spraggers.	Stablemen.	Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Engineers.		Firmen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stablemen—top.	Watchmen.	Weighmen.	Office employees at mine.		Others on surface.	Total on surface.	
	12				1	1			83	1	2		1	8		1	2	10	1		2	1	6	67	102	102	1
	2				1	1			83	1	2	1	8		5	2	12	1		2	2	7	67	110	193	1	
			3	1	2	2		9	219	2	1	2			1						2	1	3	9	21	240	1
			4	1	16	2			409	1	3	1	2	1	1	1					2	1	2	8	23	432	1
										4	1		18		1	1	14	1		4	2	5	170	221	221	1	
2	4		2		6	21		17	528	2			2		1	3		1	1	1	1	4	7	24	552	1	
3	2			1	2	2			190	2	1	3									1	2	1	10	200	2	
				1		3		2	83	1						1					1	1	4	8	91	3	
					5	4		10	130	1						1	1	1	1	1			3	8	138	4	
5	6		3	2	13	30		29	931	6	1	3	2		3	3	1	1	2	2	4	7	15	50	981	1	
	1	2			2	4			179	1	1								1		1	1	6	12	191	1	
					1	1		2	52	1		1							1		1	1	1	6	58	2	
1	2				3	5		2	231	2	1	1							2		1	2	2	7	18	249	1
					2	2			195	1			2		1	1		2	1		1				10	205	1
					2	2		1	105	1			2		1				1		1	1	1	1	8	113	2
					4	4		1	300	2			4	1	1	1		2	2		1	2	1	1	18	318	1
																									108	108	1
																									73	73	2
4				1	1	6		5	288	2			3		1	1	1				1		5	13	303	3	
4					12	6			258	3				2							1		4	12	270	4	
2					2	3			72	1			1	1					1			1	1	8	80	5	
			1	1	2	3			113	2			2					1		1	1	1	2	10	123	6	
12			2	3	9	15		5	731	8			6	3	1	3	1		3		2	4	2	12	226	957	1
2	3	1	1	1	3	8		5	283	2	1	2		1	1			4	1			1	7	20	303	1	

TABLE 13—

Number.	Name of operator.	Postoffice of mine.	Underground.												
			Bratticemen.	Cagers.	Drivers.	Boss drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.
CHRISTIAN COUNTY—FOURTH DISTRICT.															
1	Peabody Coal Co., No. 9	Langleyville	2	1	1		18	28	2	12			56	16	20
2	Peabody Coal Co., No. 7	Kincaid	1	2			18	28	2	15			36	6	6
3	Peabody Coal Co., No. 58	Taylorville	1	2			17	12	2	11			42	5	5
4	Peabody Coal Co., No. 8	Tovey	4	2			17		3	8	709		40	44	44
5	Penwell Coal Mining Co., N	Pana		2	12				2	1	8	234	2		
6	Pana Coal Co., No. 1	Pana		1	9				1	1		153	2		
Total			7	10	22		70	68	12	48	717	387	178	71	75
LOGAN COUNTY—FOURTH DISTRICT.															
1	Brewerton Coal Co., No. 92	Lincoln	1	2	20		1		2	3		211	2		
SANGAMON COUNTY—FOURTH DISTRICT.															
1	Mine B Coal Co., B.	Springfield	2	2	23		1		2	2		361	8		
2	Panther Creek Mines, No. 4	Springfield		1	18		1		2	3		272	5		
3	Central Illinois Coal Mining Co., A.	Springfield		1	16				1	2		247	8		
4	Sangamon Coal Co., No. 2	Springfield		1	17				1	3		278	6		
5	Peabody Coal Co., No. 59	Springfield	1	1	27		5		1	8	115		5	7	6
6	Peabody Coal Co., No. 51	Springfield	1	2	17		4		1	5	83		3	6	6
7	Peabody Coal Co., No. 57	Springfield	1	1	5		1		2	4		102	2		
8	Peabody Coal Co., No. 53	Springfield	1	2	29		6		1	7	27		7	2	2
9	Panther Creek Mines No. 1	Auburn	2	1			2		3	6	8	532	30		
10	Peabody Coal Co., No. 52	Riverton	2	2	24		4	132	1	7	29		6	9	9
11	Panther Creek Mines, No. 5	Springfield	1	2	12		1		1	1		190	3		
Total			11	16	188		25	132	16	48	262	1982	83	24	23
VERMILION COUNTY—FIFTH DISTRICT.															
1	Peabody Coal Co., No. 24	Danville	3	1	29		21	12	2	8	8	17	20	17	17
2	United States Fuel Co., Bun.	Georgetown	12	8	17		17		10	15	1141		48	45	45
3	United Electric Coal Co., No. 1	Danville													
4	United States Fuel Co., Verm.	Georgetown	10	5	12		14		5	13	543		23	23	23
5	United Electric Coal Co., No. 12	Danville													
6	Tilton Mining Co.	Danville		1	2		1			1	22	10		2	2
Total			25	15	60		53	12	17	37	1714	27	91	87	87
MACOUPIN COUNTY—SIXTH DISTRICT.															
1	Consolidated Coal Co., No. 15	Mt. Olive	1	1			13	39	4	11	100		65	25	25
2	Superior Coal Co., No. 3	Gillespie	6	3	1			8	4	9	406		39	7	7
3	Superior Coal Co., No. 2	Gillespie	8	3				13	4	11	320		34	20	20
4	Superior Coal Co., No. 1	Gillespie	4	3			11		3	13	208		32	4	4
5	Superior Coal Co., No. 4	Gillespie	6	3			10		3	11	366		38	7	7
6	Gillespie Coal Co.	Gillespie	1	1	13		4		1	4	108		3	5	5
7	Virden Coal Co.	Virden		2	3		1		1	1	120		4		14
8	South Mine Coal Co.	Carlinville			1					1	10			1	1
Total			26	16	18		39	60	20	61	1638		215	69	83

Continued.

Underground.										On surface.														Total—all employees.	Number.			
Pumpmen and pipemen.	Shot firers.	Shot firers' runners.	Spraggers.	Stablemen.	Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Engineers.		Freemen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stablemen—top.	Watchmen.	Weighmen.	Office employees at mine.			Others on surface.	Total on surface.	
													Hoisting.	Other.														
---	---	---	3	---	14	25	---	127	325	4	---	1	3	---	1	3	3	43	1	---	3	3	2	26	92	417	1	
---	---	---	2	---	20	20	---	184	339	3	---	1	3	---	1	1	2	55	1	---	3	3	2	33	107	446	2	
3	---	---	3	---	14	24	---	85	224	5	---	4	3	---	2	2	2	36	1	---	2	2	4	26	95	319	3	
---	---	---	4	1	16	24	---	80	297	6	---	1	3	---	1	1	1	25	1	---	2	1	5	38	84	1,081	4	
---	---	---	1	---	5	4	---	11	286	1	---	1	3	---	3	3	1	4	1	---	1	3	14	32	318	4		
---	---	---	1	---	2	2	---	4	176	1	---	1	3	---	2	1	1	2	2	---	---	3	12	25	201	5		
3	---	2	15	1	71	99	---	491	2,347	20	---	9	18	---	8	5	9	163	7	---	16	10	21	149	435	2,782	---	
1	2	---	2	1	2	2	---	2	254	2	---	1	3	---	1	1	1	---	1	1	1	1	3	21	37	291	1	
---	4	---	3	1	6	10	---	10	435	2	---	2	3	---	1	1	1	---	1	---	1	1	8	8	28	463	1	
---	4	---	2	1	5	8	---	18	340	1	---	1	3	---	1	1	1	---	1	1	1	2	3	6	23	363	2	
2	2	---	2	1	3	7	---	20	310	1	---	1	3	---	1	1	1	---	1	1	1	3	11	7	22	332	3	
1	3	---	1	1	4	4	---	12	332	2	---	1	3	---	1	1	1	---	1	1	1	1	2	7	21	353	4	
1	2	---	2	1	12	18	---	50	262	2	---	2	4	---	2	1	1	---	10	1	---	1	3	10	38	300	5	
---	4	---	2	1	12	14	---	40	201	2	---	2	3	---	1	1	1	---	8	1	1	1	3	8	33	234	6	
---	2	---	1	1	4	4	---	130	1	1	---	1	3	---	1	1	1	---	1	1	2	1	4	1	18	148	7	
---	5	---	2	1	17	18	---	158	285	1	---	1	3	---	1	1	1	---	7	1	1	2	4	10	32	317	8	
---	5	---	2	1	18	20	---	32	661	2	---	2	3	---	1	4	1	---	4	1	1	1	4	14	37	698	9	
---	6	4	1	1	12	23	---	43	315	1	---	1	3	---	1	3	1	2	18	1	---	1	3	12	46	361	10	
---	2	---	2	1	3	7	---	12	238	1	---	1	3	---	1	1	1	---	1	---	1	2	3	15	253	11	---	
2	35	8	20	10	96	133	---	395	3,509	16	---	15	33	---	8	15	10	4	49	11	3	7	13	39	90	313	3,822	---
---	---	---	2	1	40	28	---	150	376	4	---	1	2	---	2	3	2	1	14	1	---	1	3	4	27	65	441	1
---	10	---	8	2	69	90	---	129	1,666	4	---	2	6	---	1	6	1	---	---	---	---	2	4	75	102	1,768	2	
1	4	---	4	1	42	35	---	51	809	2	---	1	4	---	1	4	1	---	---	---	---	1	3	32	106	106	3	
---	---	---	---	---	1	1	---	---	43	1	---	---	1	---	---	---	---	---	---	---	---	1	1	---	50	859	4	
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	60	60	5	
1	14	---	14	4	152	154	---	330	2,894	11	---	4	13	---	4	13	4	2	14	2	---	1	7	12	134	387	3,281	---
---	51	6	---	1	29	26	---	46	443	5	---	5	4	---	4	1	3	47	1	---	2	2	3	46	123	566	1	
---	---	---	2	1	12	33	---	97	635	3	---	4	4	---	8	1	3	---	---	1	1	2	1	8	36	671	2	
---	---	---	2	1	14	24	---	108	582	3	---	2	4	---	5	1	---	---	---	1	1	2	1	11	31	613	3	
---	---	---	2	1	11	32	---	74	402	3	---	3	4	---	5	1	---	---	---	1	1	2	1	8	29	431	4	
---	---	---	2	24	28	---	---	109	614	3	---	10	4	---	6	1	---	---	---	1	1	2	1	6	35	649	5	
---	---	---	1	5	5	---	---	7	165	1	---	1	3	---	1	1	---	17	---	1	1	1	1	4	30	195	6	
---	---	---	1	3	2	---	---	152	1	---	---	2	3	---	2	---	---	---	1	---	1	1	1	1	13	165	7	
---	---	---	---	---	---	---	---	14	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	2	16	8	---
---	51	6	10	6	98	150	---	441	3,007	19	---	27	27	---	30	6	6	64	2	5	7	13	9	84	299	3,306	---	

TABLE 13—

Number.	Name of operator.	Postoffice of mine.	Underground.													
			Bratticemen.	Cagers.	Drivers.	Boss drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.	
MONTGOMERY COUNTY—SIXTH DISTRICT.																
1	Indiana & Illinois Coal Co., No. 10.	Nokomis	2	2				18	2	2	6		36	42	18	18
2	Hillsboro Coal Co.	Hillsboro	2	2	15			2		2	5	132		8		10
3	Cosgrove-Meehan Coal Co., No. 5.	Panama	7	3	6			9	29	3	10	213		25	15	14
Total			11	7	21			29	31	7	21	345	36	75	33	42
SHELBY COUNTY—SIXTH DISTRICT.																
1	Moweaqua Coal Corp., No. 1	Moweaqua		1	6			1		1	1	65		1	14	
BOND COUNTY—SEVENTH DISTRICT.																
1	Illinois Pocahontas Coal Co.	Pocahontas	1	3	11			3	2	2	3	98		3	13	13
MADISON COUNTY—SEVENTH DISTRICT.																
1	Mt. Olive & Staunton Coal Co., No. 2	Staunton		1	36			13		3	7	251		6	19	19
2	Lumaghi Coal Co., No. 2	Collinsville	2	1				7		2	6	171		16	16	16
3	Livingston-Mt. Olive Coal Co., No. 1	Livingston		2				3		1	1	247		9	20	20
4	Chicopee Coal Co., No. 1	Troy		1	9			1		1	1	79		3	5	5
5	Collinsville Coal Corp.	Collinsville		1	4			1		2	1	30	10		2	2
6	Bullock Mining Co.	Collinsville		1	5					1	1		59			
7	Henrietta Coal Co., Hen	Edwardsville			4					1	2		30		5	5
8	Carlin Coal & Mining Co.	Bethalto			3						1	16	6		1	1
9	Madison County Coal & Mining Co., No. 4.	Edwardsville		1				1		2	2		160	30	10	10
Total			2	8	61			26		13	22	794	265	64	78	78
MARION COUNTY—SEVENTH DISTRICT.																
1	Marion County Coal Co.	Centralia	2	1	17			9	14	2	8	13		14	8	8
2	Odin Coal Co.	Odin		4	10			1		1	1	109		3	10	10
Total			2	5	27			10	14	3	9	122		17	18	18
CLINTON COUNTY—EIGHTH DISTRICT.																
1	Southern Coal, Coke & Mining Co.	New Baden		2				2	3	1	2			3		
2	Citizens Coal Co.	Breese		2	4			1		1	1	40	16	2	2	2
3	Beckemeyer Coal Co.	Beckemeyer		2	3			1		1	2	40		2	2	2
Total				6	7			4	3	3	5	80	16	7	4	4

Continued.

Underground.										On surface.																	
Pumpmen and pipemen.	Shot firers.	Shot firers' runners.	Spraggers.	Stablemen.	Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Engineers.		Firemen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stablemen—top.	Watchmen.	Weightman.	Office employees at mine.	Others on surface.	Total on surface.	Total—all employees.	Number
---	---	---	5	30	17	---	---	351	549	3	3	---	3	---	---	1	2	40	1	---	1	1	4	35	94	643	1
---	---	---	5	1	14	---	---	10	108	---	---	---	3	---	---	4	1	4	---	---	---	---	5	10	33	241	2
---	---	---	1	---	17	12	---	24	388	2	2	---	4	---	6	1	1	1	---	---	1	2	1	16	37	425	3
---	---	---	11	1	61	29	---	385	1,145	7	---	5	10	---	10	3	4	45	1	---	3	5	10	61	164	1,309	---
---	---	---	1	---	2	2	---	---	95	2	---	---	1	2	1	---	---	---	1	---	---	1	2	4	14	109	1
---	18	---	3	1	6	7	---	5	192	1	1	---	3	---	1	---	1	3	1	---	---	1	1	7	20	212	1
---	---	---	1	2	7	18	---	136	519	4	2	---	3	---	4	1	2	20	---	1	2	3	10	52	571	1	
---	---	1	4	1	15	15	---	23	296	6	1	---	3	---	4	1	1	12	1	---	1	2	5	38	334	2	
---	---	---	2	---	2	16	---	8	331	2	---	---	3	---	3	1	1	4	1	---	1	2	9	29	360	3	
---	---	---	1	---	8	3	---	5	122	1	1	---	1	2	1	---	---	---	---	---	---	---	1	5	13	135	4
---	---	---	---	---	1	1	---	---	55	1	---	---	1	1	---	---	---	---	---	---	1	1	4	10	65	5	
---	2	---	---	---	1	1	---	---	70	1	---	---	1	---	---	---	---	1	1	1	1	1	2	8	78	6	
---	---	---	---	---	1	1	---	---	49	1	---	---	1	---	1	---	---	---	---	1	1	1	5	54	7		
---	---	---	---	---	---	---	---	28	---	---	---	---	1	---	---	---	---	---	---	---	1	1	---	3	31	8	
---	---	---	---	15	8	---	---	239	1	---	---	---	3	---	1	1	---	9	1	---	---	---	1	1	18	257	9
---	2	1	8	3	50	62	---	172	1,709	17	4	---	17	3	14	5	4	45	4	---	5	9	13	36	176	1,885	---
---	---	---	3	1	12	13	---	58	183	5	5	---	3	---	6	1	1	6	1	---	2	1	3	17	51	234	1
---	---	---	---	---	4	2	---	2	157	1	1	---	2	---	4	1	---	---	1	---	2	1	1	12	25	182	2
---	---	---	3	1	16	15	---	60	340	6	6	---	5	---	10	2	1	6	2	---	2	3	4	29	76	416	---
---	1	---	1	---	1	4	---	13	33	1	---	---	3	---	1	1	1	9	---	---	---	---	1	3	20	53	1
---	2	---	---	1	1	1	---	1	74	1	1	---	2	---	1	---	---	---	1	---	1	1	1	4	13	87	2
---	---	---	---	---	2	---	---	2	62	1	1	---	3	---	1	1	---	---	---	---	---	---	1	4	12	74	3
---	3	---	1	1	2	7	---	16	169	3	2	---	8	---	2	3	1	9	1	---	1	1	3	11	45	214	---

TABLE 13—

Number.	Name of operator.	Postoffice of mine.	Underground.												
			Bratticemen.	Cagers.	Drivers.	Boss drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.
ST. CLAIR COUNTY—EIGHTH DISTRICT.															
1	St. Louis & O'Fallon Coal Co., No. 2	East St. Louis	1	2	13		5		3	7	258		17	21	21
2	United Electric Coal Co., No. 13	Freeburg													
3	Perry Coal Co., St. Ellen	O'Fallon		1	29		5	7	1	6	15		9	9	9
4	Southern Coal, Coke & Mining Co., No. 7	Belleville	4	2	11		3	11	1	3		25	2		
5	Gundlach Coal Co.	East St. Louis			9		2	6	1	1	18		3	5	5
6	Mulberry Hill Coal Co.	Freeburg		1	7				1	1		38	2		
7	Perry Coal Co., Carbon	O'Fallon		1	5		1		1	1	78		1		
8	Alcoa Ore Co.	Belleville	1	2	10		7	4	2	6			10	6	6
9	Vinegar Hill Coal Co.	Lenzburg		2	2				1	1	32		1		
10	Golden Rule Coal Co.	Lenzburg		2	4				1	1	29		2		
11	Prairie Coal Co.	Belleville		3	6				2	1		104	2		
12	Service Coal Co.	Belleville		1	4				1	1		67	1		
13	Lenzburg Coal Co.	Lenzburg		1	3				1	1		39	2		
14	Guest Coal Co.	Belleville		3	4				1	2	53		1	4	4
15	White Coal Co.	Belleville		1	4			1	1	1		41	1		
16	Groom Coal Co.	Belleville		2	6		1		1	1		50	2	2	2
17	Quality Coal & Mining Co.	Belleville		2	5				1	1		44	1		
18	Okay Coal & Mining Co.	Marissa	2	2					1	1		65	2		
19	Power Coal Co.	Freeburg		1	3				1	1		50	1		
20	Eldnar Coal Co.	Belleville		1	2				1	1		20	1		
21	Jones Bros. Coal Mining Co., No. 1	Marissa		1	6				1	1		54	1		
22	Kolb Coal Co., No. 2	Mascoutah		1	4				1	2		68	2		
23	Piazza Coal Co.	Belleville		1	2				1	1		26	1		
24	Summit Coal & Mining Co.	Belleville		2	2				1	1		17			
25	Sargent Coal Co.	Caseville		1	3				1	1		33			
26	Gill Coal Corp.	Marissa		2	4		1		1	1		50	2		
27	Perry Coal Co., Taylor	O'Fallon		1	5		2		1	2	50		2	4	4
Total			8	39	153		27	29	30	47	533	791	69	51	51
JACKSON COUNTY—NINTH DISTRICT.															
1	Union Colliery Co.	Dowell	5	1			29	40	5	15	130		63	20	20
2	Truax-Traer Coal Co., No. 2	DeSoto													
3	Truax-Traer Coal Co., No. 1	Elkville													
4	Little Muddy Coal Co., No. 1	Hurst			1				1	1		15			
Total			5	1	1		29	40	6	16	130	15	63	20	20
PERRY COUNTY—NINTH DISTRICT.															
1	Pyramid Coal Corp.	Pinckneyville													
2	United Electric Coal Co., No. 11	DuQuoin													
3	Crerar Clinch Coal Co., No. 14	DuQuoin	1	2	7		9		3	5	400	20	11	25	25
4	Coal Stripping Co.	Pinckneyville													
5	Crerar Clinch Coal Co., No. 15	DuQuoin													
6	Perfection Coal Co.	DuQuoin													
7	Brewerton Coal Co., No. 45	Pinckneyville		1	7				1	1		105	2		
8	Coulterville Coal Co.	Coulterville		2	11		1		1	2	146	10	6	8	8
9	Winkle Coal Co.	Swanwick		2	6		1	4	1	3	19	24	6	2	2
10	Tamaroa Coal Co., No. 43	Tamaroa		1	1				1	1		14			
11	Bailey Bros.	DuQuoin			1				2			10			
12	Cutler Coal & Mining Co.	Cutler		2	6		1	24	2	1	24		3	8	8
13	Collier Coal Co.	Tamaroa			1				1	1		10			
Total			1	10	40		12	28	11	14	589	193	28	43	43

Continued.

Underground.										On surface.																		
Pumpmen and pipemen.	Shot firers.	Shot firers' runners.	Spraggers.	Stablemen.	Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Engineers.		Firemen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stablemen—top.	Watchmen.	Weightmen.	Office employees at mine.	Others on surface.	Total on surface.	Total—all employees.	Number.	
													Hoisting.	Other.														
---	---	---	3	1	2	23	---	7	384	2	3	3	---	3	3	1	1	12	---	---	1	1	2	12	40	424	1	
---	5	---	3	1	12	15	---	50	177	1	1	1	1	2	1	1	1	22	1	---	1	2	9	53	53	2		
---	6	---	2	1	4	14	---	---	89	1	---	---	3	---	1	1	1	20	---	---	---	---	1	10	38	127	4	
1	10	---	---	---	3	5	---	25	84	1	---	---	---	---	1	1	---	15	---	---	1	1	5	24	108	5	5	
---	8	---	1	---	6	4	---	---	71	1	---	---	2	---	1	---	---	---	---	---	1	1	3	9	80	6	6	
1	12	---	1	1	4	3	---	---	100	1	---	---	1	---	1	---	---	---	---	---	1	1	2	8	108	7	7	
---	8	---	---	---	6	3	---	52	131	1	---	---	2	---	1	---	2	20	1	---	1	1	3	33	164	8	8	
---	8	---	---	---	2	2	---	2	54	1	---	---	2	---	1	---	---	---	---	---	1	1	2	7	61	9	9	
---	6	---	---	---	3	3	---	3	55	1	---	---	2	---	1	---	---	---	---	---	1	1	1	8	63	10	10	
4	4	---	---	1	3	4	---	---	131	1	---	---	1	---	1	1	1	---	1	---	1	1	3	9	91	12	12	
---	---	---	---	---	1	1	---	1	82	1	---	---	1	---	1	---	---	---	1	---	1	1	1	4	52	13	13	
1	---	---	---	---	2	2	---	---	48	1	---	---	1	---	1	---	---	---	---	---	1	1	2	9	84	14	14	
---	2	---	---	---	2	2	---	5	75	1	---	---	1	---	1	---	---	---	1	---	1	1	2	9	84	14	14	
2	4	---	1	1	2	2	---	8	60	1	---	---	1	---	1	---	---	1	1	---	1	2	4	13	73	15	15	
---	2	---	---	---	2	2	---	---	85	1	---	---	2	---	1	---	---	1	1	---	1	1	2	11	96	16	16	
---	2	---	---	---	1	1	---	4	60	1	1	---	1	---	1	1	---	---	---	---	1	1	2	7	67	17	17	
---	2	---	---	---	2	2	---	---	84	1	---	---	2	---	1	1	---	---	---	---	1	2	4	13	97	18	18	
---	2	---	---	---	1	1	---	---	60	1	---	---	1	---	1	---	---	---	---	---	1	1	1	5	65	19	19	
---	2	---	---	---	1	1	---	---	29	1	---	---	1	---	1	1	---	---	---	---	1	1	3	32	20	20	20	
---	2	---	---	---	4	4	---	---	68	1	---	---	2	---	1	---	---	---	1	---	1	---	1	6	74	21	21	
---	3	---	---	---	1	1	---	1	89	1	---	---	2	---	1	---	---	---	---	---	2	1	2	8	97	22	22	
---	2	---	---	---	2	2	---	---	39	1	---	---	1	---	1	---	---	1	---	---	1	1	8	47	23	23	23	
---	---	---	---	---	1	1	---	---	26	---	---	---	1	---	1	---	---	---	---	---	1	1	1	4	30	24	24	
---	---	---	---	---	1	---	---	---	42	1	---	---	1	---	1	---	---	---	---	---	1	1	1	5	47	25	25	
---	---	---	1	1	---	---	---	---	67	1	---	---	2	---	2	---	---	5	---	---	2	1	1	9	76	26	26	
---	2	---	---	---	3	---	---	4	80	1	1	---	2	---	1	1	---	---	---	---	1	1	---	13	93	27	27	
5	96	---	14	7	52	105	---	163	2,270	25	7	39	5	20	10	6	97	8	10	24	24	74	402	2,672	---	---		
4	---	---	5	---	14	36	---	41	428	2	2	1	3	---	2	5	56	1	1	1	1	6	19	100	528	1		
---	1	---	---	---	---	---	---	---	19	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	118	118	2	
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	144	144	3	
4	1	---	5	---	14	36	---	41	447	2	2	2	3	---	2	5	56	1	1	1	1	6	20	364	811	4		
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1	4	---	3	1	6	14	---	25	562	2	---	---	4	---	5	1	3	16	1	---	1	1	4	40	200	200	1	
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	200	2
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78	640	3	
1	2	---	1	1	3	---	---	2	138	1	---	---	3	---	1	1	---	---	---	---	---	---	---	---	90	90	4	
2	2	2	2	1	6	6	---	1	208	1	1	---	1	2	1	1	---	1	1	---	1	1	4	50	71	5		
---	---	---	---	2	1	6	---	1	80	1	---	---	2	---	1	---	---	15	1	---	1	1	4	10	50	50	6	
---	---	---	---	---	---	---	---	---	18	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	217	8	8	
---	4	---	---	---	2	4	---	---	12	---	---	---	1	---	---	---	---	---	---	---	---	---	---	25	105	9	9	
2	2	---	---	---	1	---	---	---	89	1	---	---	2	---	1	---	---	3	1	---	1	1	1	3	1	19	10	
---	---	---	---	---	---	1	---	---	16	---	---	---	1	---	---	---	---	---	---	---	---	---	---	12	101	12	12	
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	18	13	13	
2	14	2	6	5	10	34	---	28	1,113	6	1	15	2	8	3	3	35	3	---	4	3	7	50	751	1,864	---		

TABLE 13—

Number.	Name of operator.	Postoffice of mine.	Underground.												
			Bratticemen.	Cagers.	Drivers.	Boss drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.
RANDOLPH COUNTY—NINTH DISTRICT.															
1	Moffat Coal Co.	Sparta	1	2	33		8	6	1	10	142		13	13	13
2	Jones Bros Coal Mining Co., No. 2	Marissa		1	4		1		1	1		122	2		
3	Illmo Coal Co.	Sparta			1					1		8			
	Total		1	3	38		9	6	2	12	142	130	15	13	13
WASHINGTON COUNTY—NINTH DISTRICT.															
1	Centralia Coal Co., No. 5	Centralia	1	1			8	12	1	9	54	23	34	9	9
2	Clarkson Coal & Mining Co.	Nashville		1	8		1		1	1	59		2	6	6
	Total		1	2	8		9	12	2	10	113	23	36	15	15
FRANKLIN COUNTY—TENTH DISTRICT.															
1	Chicago, Wilmington & Franklin Coal Co., New Orient	W. Frankfort	8	2			59	62	15	40	208		144	41	41
2	Bell & Zoller Coal & Mining Co., No. 2	Zeigler	6	2			21		9	10	641		71	28	28
3	Valier Coal Co.	Valier	7	2			31	18	8	19			90	27	27
4	Bell & Zoller Coal & Mining Co., No. 1	Zeigler	5	2			32	19	8	25	84		113	26	26
5	Old Ben Coal Corp., No. 8	W. Frankfort	3	1			11	7	6	16	211		63	20	19
6	Old Ben Coal Corp., No. 15	Ezra	2	2			10		2	12	255		42	14	14
7	Chicago, Wilmington & Franklin Coal Co., No. 1	Orient	2	3			7	22	8	20			56	33	34
8	Peabody Coal Co., No. 19	W. Frankfort	3	2	38		6		6	5	420		8	23	23
9	Franklin County Coal Co., No. 7	Royalton	5	3			11	4	7	13	67		34	26	26
10	Peabody Coal Co., No. 18	W. Frankfort	3	1			20	28	7	13	155		48	37	36
11	Franklin County Coal Co., No. 5	Herrin		2	34		6		4	9	386		12	18	18
12	Old Ben Coal Corp., No. 14	Buckner	2	2			14		6	14	364		45	30	30
13	Brewerton Coal Co., No. 21	W. Frankfort	2	1			1		2	1		139	20		
14	Brewerton Coal Co., No. 22	Sesser	2	1			1	14	2	1	4	37	28	7	7
	Total		50	26	72		230	174	90	198	2795	176	774	330	329
SALINE COUNTY—ELEVENTH DISTRICT.															
1	Peabody Coal Co., No. 47	Hareo	9	1			11		7	8	570		52	18	18
2	O'Gara Coal Co., No. 1	Harrisburg	3	2	17		4		6	7	425		27	22	22
3	Peabody Coal Co., No. 43	Harrisburg	4	1	2		19	36	5	12	6		69	41	36
4	Blue Bird Coal Co., No. 1	Carrier Mills													
5	O'Gara Coal Co., No. 3	Harrisburg	2	1			3		2	7	211		27	7	7
6	Rex Coal Co., No. 2	Eldorado	1	1			8	101	2	7			34	10	10
7	Wasson Coal Co., No. 1	Harrisburg	4	2	21		5	4	4	6	353		22	22	23
8	O'Gara Coal Co., No. 10	Eldorado	4	3	14		4		4	6	230		15	7	7
9	Wasson Coal Co., No. 2	Carrier Mills	1	3			3	4	1	5			16	4	4
	Total		28	14	54		57	145	31	58	1795		262	131	127
WHITE COUNTY—ELEVENTH DISTRICT.															
1	So. Illinois Coal Mining Co., No. 1	Norris City	1	1	6		1		1	1		74	1	4	4

Continued.

Underground.										On surface.															Total—all employees.			
Pumpmen and pipemen.	Shot firers.	Shot firers' runners.	Spriggers.	Stablemen.	Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Engineers.		Firemen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stablemen—top.	Watchmen.	Weighmen.	Office employees at mine.	Others on surface.	Total on surface.	Total—all employees.	Number.	
													Hoisting.	Other.														
2	2		3	2	4	16		56	327	2		2	3		3	1	1		25	1			2		55	382	1	
	2			1		3		2	140	1		2	2						1	1	1			1	7	147	2	
									10			1	1						1		1				3	13	3	
2	4		3	3	4	19		58	477	3		2	6		3	1	1		25	3		2	4	2	13	65	542	--
			1		8	14		4	188	2		2	1	2	5	1	1		17	1		1	1	3	8	45	233	1
					1	4		13	103	1		1	3		1				1			1		2	10	113	12	
			1		9	18		17	291	3		3	4	2	6	1	1		18	1		1	2	3	10	55	346	--
2	15		1		73	81		222	1,014	3		2	5	2	3	5	7		79	1		3	1	13	80	204	1,218	1
1	10				18	62		23	935	4		3	4	2	1	9		31	1	1	2		2	42	104	1,039	2	
2	54		5		27	40		214	566	6		5	4		2	1	4		8	1		2	1	4	25	63	629	3
2	25		3		32	53		73	528	3			2	2	3	2	6		42	1	1	2	1	6	40	111	639	4
4	6		4		15	35		72	493	2		5	4	1	1	1		15	1	1	3	2	4	65	105	598	5	
1	5		1		15	20		64	459	2		4	4	1	4	1	1	15	1		2	2	4	29	70	529	6	
2	8		12		33	69		527	836	4		11	4		11	3	5		60	1	1	4	1	9	55	169	1,005	7
1	4		4		13	15		39	610	1		3	3		4	1	1		21	1	1	1	3	5	25	68	678	8
1	6		10		15	32		257	517	4		5	4	1	3	2	3		32	1	1	2	1	9	43	111	628	9
1	9		3		31	33		125	550	3		5	3		3	1	3		77	1		1	1	4	18	120	670	10
1	4		4		12	22		22	554	4		4	4		5	1	1		15		2	1	1	10	33	81	635	11
1	6				12	44		65	635	2		4	4	2	1	1	4		25		2	2	4	41	92	727	12	
1	3		3		2	9		17	201	3		1	3		2	1			7		1	1	2	16	32	233	13	
1	2		3		5	16		46	177	4		3	3		2	2					2		15	36	213	14		
21	157		53		303	531		1766	8,075	45		53	51	11	45	21	44		429	10	8	25	21	76	527	1,366	9,441	--
2	6		3		9	23		68	805	4		7	3		5	1	2		7	1		1	5	28	65	870	1	
3	4		3		4	19		5	573	3		2	3		2	1	1		17	1	2	1	1	20	55	628	2	
3	6		2		20	29		239	530	2		4	3		2	1	3		60	1	1	1	5	21	105	635	3	
2	2		3		6	13		7	300	2		2	3	1	2	1	1		20	1		1	1	7	43	343	5	
1	2		1		6	11		41	236	1		3	1	2	5	1	2		14	1	1	4	3	10	49	285	6	
2	4		6	1	5	21		14	519	3		3	3	1	4	1		10			1	1	17	45	564	7		
1	8		4	2	6	19		7	341	2		4	3		3	1	1		12	1		1	1	3	33	374	8	
3			2		8	7		32	93	1		4			1	4	1		20			1		9	42	135	9	
17	32		24	3	64	142		413	3,397	18		29	19	5	27	8	10		160	6	4	11	8	17	115	550	3,947	--
1		1	1			3		1	101	1			3		2				1	1		1	2	5	16	117	1	

TABLE 13—

Number.	Name of operator.	Postoffice of mine.	Underground.												
			Bratticemen.	Cagers.	Drivers.	Boss drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.
WILLIAMSON COUNTY—TWELFTH DISTRICT.															
1	Old Ben Coal Corp., No. 18.....	Johnston City.....	2	2	---	---	17	---	4	14	421	---	51	16	16
2	Consolidated Coal Co., No. 7.....	Herrin.....	3	3	---	---	8	25	2	7	60	---	50	34	34
3	Peabody Coal Co., No. 25.....	Carterville.....	1	2	19	---	6	105	1	4	43	17	6	9	9
4	Cosgrove Meehan Coal Co., No. 1.....	Johnston City.....	2	2	2	---	7	22	3	5	136	---	30	---	23
5	Freeman Coal Mining Co.....	Herrin.....	2	1	20	---	5	2	2	5	84	60	8	20	20
6	Wallace Coal Co.....	Marion.....	---	1	4	---	---	14	1	1	2	---	1	2	---
7	Carbon Fuel Co.....	Marion.....	---	1	4	---	---	14	1	1	2	---	1	1	---
8	St. Louis Coal & Iron Co., No. 2.....	Johnston City.....	1	1	1	---	3	---	2	2	50	---	8	8	8
9	City Lake Coal Co.....	Herrin.....	---	---	4	---	---	---	1	1	---	40	---	---	---
10	Cosgrove Meehan Coal Co., No. 3.....	Marion.....	2	1	3	---	4	6	2	8	145	---	31	16	12
11	Puritan Coal Co., No. 1.....	Johnston City.....	---	---	2	---	---	---	1	1	---	6	---	1	1
12	Carterville Peacock Coal Co.....	Carterville.....	---	---	---	---	---	---	---	---	---	---	---	---	---
13	W. E. Grissom Coal Co.....	Marion.....	---	---	1	---	---	---	---	1	---	12	---	---	---
14	Spillertown Mining Co.....	Johnston City.....	---	---	2	---	---	---	---	---	8	4	---	1	1
15	Pendley & Wilkinson Coal Co.....	Marion.....	---	---	1	---	---	---	1	1	---	10	---	---	---
16	Carterville Coal & Mining Co.....	Carbondale.....	---	---	---	---	---	---	---	---	---	---	---	---	---
17	Ogmore Coal Co.....	Cambria.....	---	---	1	---	---	---	1	1	---	---	---	---	---
18	Equality Coal Co.....	Herrin.....	---	---	1	---	---	---	1	1	---	8	---	---	---
Total.....			13	14	65	---	50	188	23	54	951	157	186	108	124

TABLE 14—CLASSIFICATION OF .

District.	Underground.																		
	Bratticemen.	Cagers.	Drivers.	Boss drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.	Pumpmen and pipemen.	Shot firers.	Shot firer's runners.	Spraggers.	Stablemen.	
First	1	5	38				4	5	165	431	1	11	6		2		7	2	
Second	4	6	72		14		9	18	828	265	28	54	54	6	8		3	2	
Third	2	9	59		6		6	10	638	122	18	37	37	2	15	1	3	4	
Fourth	19	28	230		96	200	30	99	979	2,580	263	95	98	6	37	10	37	12	
Fifth	25	15	60		53	12	17	37	1,714	27	91	87	87	1	14		14	4	
Sixth	37	24	45		69	91	28	83	2,048	36	291	116	125		51	6	22	7	
Seventh	5	16	99		39	16	18	34	1,014	265	84	109	109		20	1	14	5	
Eighth	8	45	160		31	32	33	52	613	807	76	55	55	5	99		15	8	
Ninth	8	16	87		59	86	21	52	974	361	142	91	91	8	19	2	15	8	
Tenth	50	26	72		230	174	90	198	2,795	176	774	330	329	21	157		53		
Eleventh	29	15	60		58	145	32	59	1,795	74	263	135	131	18	32	1	25	3	
Twelfth	13	14	65		50	188	23	54	951	157	186	108	124	16	48		15	3	
Total	201	219	1,047		705	944	311	701	14,514	5,301	2,217	1,228	1,246	83	502	21	223	58	

Concluded.

Underground.													On surface.															
Pumpmen and pipemen.	Shot firers.	Shot firers' runners.	Spraggers.	Stablemen.	Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Engi- neers.		Firemen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stablemen—top.	Watchmen.	Weightmen.	Office employees at mine.	Others on surface.	Total on surface.	Total—all employees.	Number.	
3	6		5		20	39		58	674	12		3	4		2	1	2	17	1	1	3	2	4	22	65	739	1	
2	5		2		16	17		47	315	2		4	3		1	1	1	51	1	1	1	2	6	21	98	413	2	
2	14		2		8	9		14	272	2		1	3		1	1	1	9	1	1	1	3	10	33	33	305	3	
4	4		1	1		5		15	263	2		4	3		4	1	2	11	1	1	1	1	1	18	50	313	4	
1	1		2			6		42	289	2		3	3		1	1	1	10	1	1	1	3	13	39	328	5		
1	2				1	1		2	33	1		1	1					3	1				2	8	41	6		
1	1				1	1		4	33	1		1	1					4	1				4	11	44	7		
1	4		1		6			2	103	1	1	1	1			1		4	1				2	15	118	8		
2	2					2			50	1	1	1	3		4	1	1	15	1	1	1	1	1	10	40	303	10	
4	4		2	1	10	11		5	15			1	1											1	2	17	11	
2						1							1												30	30	12	
	1					1			15				1												2	17	13	
									19				1		1						1					3	22	14
									13				1													1	14	15
	1							7	11				1						1		1					30	30	16
						1			13				1										1			4	15	17
16	48												28		3	14	7	8	124	7	3	8	10	20	108	436	2,817	--

MINE EMPLOYEES BY DISTRICTS.

Underground.					On surface.																		
Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Engi- neers.	Hoisting. Other.	Firemen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stablemen—top.	Watchmen.	Weightmen.	Office employees at mine.	Others on surface.	Total on surface.	Total—All employees.	District.	
19	5		9	711	8		7	7	4	28	1	8	4	26	2		10	6	17	254	375	1,086	1
20	39		32	1,462	10		2	1	8	3	1	4	3	3	5		4	8	10	23	86	1,548	2
12	23		10	1,014	10		1	8	3	2	4	1	1	4	4		2	4	3	19	246	1,260	3
169	234		888	6,110	38		25	54	8	24	16	14	14	212	19	4	24	24	63	260	785	6,895	4
152	154		330	2,894	11		4	13	4	13	4	2	14	2	2		1	7	12	134	387	3,281	5
161	181		826	4,247	28		32	38	2	41	9	10	109	4	5		10	19	21	149	477	4,724	6
72	84		237	2,241	24		11	25	3	25	7	6	54	7			7	13	18	72	272	2,513	7
54	112		179	2,439	28		9	47	5	213	13	7	106	9			11	25	27	85	447	2,886	8
37	107		144	2,328	14		8	27	7	17	7	10	134	8			8	10	18	93	1,235	3,563	9
303	531		1,766	8,075	45		53	51	11	45	21	44	429	10	8		25	21	76	527	1,366	9,441	10
64	145		414	3,498	19		29	22	5	29	8	10	160	7	5		11	9	19	120	566	4,064	11
67	103		196	2,381	17		19	28	3	14	7	8	124	7	3		8	10	20	108	436	2,817	12
1,130	1,718		5,030	37,400	252		200	325	82	234	108	119	1,375	84	28		121	156	304	1,844	6,678	44,078	

TABLE 15—OUTPUT OF SHIPPING MINES BY MONTHS—1927-1932.

No.	Months.	1927.	1928.	1929.	1930.	1931.	1932.
1	January.....	8,249,724	5,873,311	7,001,027	6,560,159	4,910,869	3,838,402
2	February.....	8,041,663	5,753,712	6,459,158	4,784,623	3,810,167	4,179,951
3	March.....	9,528,946	7,395,453	4,309,056	4,133,842	4,297,523	5,983,823
4	April.....	226,147	1,220,182	3,560,116	3,674,352	3,040,068	363,773
5	May.....	226,014	2,556,400	3,810,298	3,354,981	2,973,862	526,696
6	June.....	260,538	2,947,504	3,413,621	3,033,048	2,775,193	603,344
7	July.....	350,422	3,158,981	3,785,845	3,274,699	2,816,435	754,864
8	August.....	691,351	3,816,097	4,398,106	3,716,651	3,336,309	1,676,136
9	September.....	963,833	4,327,025	4,766,916	3,397,358	3,384,003	2,404,392
10	October.....	4,649,119	5,931,799	5,716,839	5,251,276	4,059,961	3,338,466
11	November.....	5,430,136	5,420,339	5,412,011	4,787,969	3,530,227	3,623,977
12	December.....	6,308,540	5,883,381	6,443,002	5,427,650	4,138,441	4,108,575
	Total.....	44,926,433	54,284,184	59,075,905	51,996,608	43,073,058	31,402,399

TABLE 16—NUMBER OF MINES OPERATED AND AVERAGE DAYS WORKED EACH MONTH—1927-1932.

No.	Month.	1927.		1928.		1929.		1930.		1931.		1932.	
		Mines.	Days.	Mines.	Days.	Mines.	Days.	Mines.	Days.	Mines.	Days.	Mines.	Days.
1	January.....	221	21	181	18	184	21	171	20	158	16	137	15
2	February.....	219	20	178	16	184	19	166	14	148	13	136	15
3	March.....	218	22	176	20	183	14	157	13	139	16	137	20
4	April.....	22	12	90	12	149	13	142	13	134	11	38	9
5	May.....	19	14	106	14	145	14	134	12	121	12	39	10
6	June.....	24	16	116	14	143	13	128	12	118	12	39	10
7	July.....	30	16	127	15	144	14	140	12	114	12	50	10
8	August.....	58	18	131	17	157	15	143	13	121	13	86	10
9	September.....	75	19	171	15	171	16	152	14	131	13	77	15
10	October.....	181	18	184	18	176	18	157	18	140	16	121	17
11	November.....	185	17	186	17	178	17	162	16	143	14	136	17
12	December.....	186	19	187	18	166	20	165	17	147	16	144	18
	Total and average.....	241	112	206	150	200	162	185	145	167	130	162	107

TABLE 17—SHIPPING MINES—NUMBER OPERATED, TONS PRODUCED, AVERAGE DAYS WORKED, AND NUMBER EMPLOYED IN 1932 AND 1931, AND GAIN OR LOSS, BY COUNTIES.

Number.	County.	1932.				1931.				Gain (+) Loss (—).			
		Mines operated.	Tons. produced.	Average days worked.	Number employed.	Mines operated.	Tons. produced.	Average days worked.	Number employed.	Mines	Tons.	Days.	Men.
1	Bond.....	1	36,549	98	212	1	52,018	129	192	---	-15,469	-31	+20
2	Christian.....	6	1,835,286	84	2,782	6	2,981,000	129	2,865	---	-1,145,714	-45	-83
3	Clinton.....	3	92,895	80	214	2	183,507	88	462	+1	-90,612	-8	-248
4	Franklin.....	14	7,064,359	110	9,441	15	9,531,560	139	10,064	---	-2,467,201	-29	-623
5	Fulton.....	6	1,116,524	117	957	7	1,229,481	121	1,003	-1	-112,957	-4	-46
6	Henry.....	2	655,055	209	193	2	696,554	207	185	---	-41,499	+2	+8
7	Jackson.....	4	1,336,968	137	811	3	1,892,008	158	754	+1	-555,040	-21	+57
8	Knox.....	1	238,722	157	303	1	290,581	210	300	---	-51,859	-53	+3
9	LaSalle.....	1	132,155	214	240	2	170,324	179	417	-1	-38,169	+35	-177
10	Logan.....	1	94,504	144	291	1	114,519	206	213	---	-20,015	-62	+78
11	Macon.....	---	---	---	---	1	82,274	144	255	-1	-82,274	-144	-255
12	Macoupin.....	8	1,930,406	87	3,306	8	3,984,432	165	3,259	---	-2,054,026	-78	+47
13	Madison.....	9	909,595	116	1,885	9	1,093,312	124	1,540	---	-183,717	-8	+345
14	Marion.....	2	373,945	149	416	2	360,576	128	409	---	+13,369	+21	+7
15	Montgomery.....	3	626,674	92	1,309	3	1,255,432	161	1,349	---	-628,758	-69	-40
16	Peoria.....	4	512,250	84	981	4	1,030,832	157	1,143	---	-518,582	-73	-162
17	Perry.....	13	3,065,944	112	1,864	12	2,973,148	120	1,812	+1	+92,796	-8	+52
18	Putnam.....	1	104,555	235	432	1	13,387	56	201	---	+91,168	+179	+231
19	Randolph.....	3	195,599	37	542	3	426,289	100	768	---	-230,690	-63	-226
20	Saline.....	9	2,401,303	111	3,947	11	2,957,019	112	4,392	-2	-555,716	-1	-445
21	Sangamon.....	11	1,667,479	91	3,822	12	3,218,458	137	4,588	-1	-1,550,979	-46	-766
22	Shelby.....	1	37,333	113	109	1	23,507	73	103	---	+13,826	+40	+6
23	St. Clair.....	27	1,812,940	98	2,672	26	2,430,146	134	2,462	+1	-617,206	-36	+210
24	Tazewell.....	2	273,664	177	249	2	251,344	188	247	---	+22,320	-11	+2
25	Vermilion.....	6	1,674,828	135	3,281	6	2,316,847	133	2,583	---	-642,019	+2	+698
26	Washington.....	2	333,827	148	346	2	378,850	172	316	---	-45,023	-24	+30
27	White.....	1	27,747	81	117	1	8,608	37	99	---	+19,139	+44	+18
28	Will.....	1	976,178	289	221	1	988,500	264	200	---	-12,322	+25	+21
29	Williamson.....	18	1,807,728	89	2,817	20	2,090,098	94	4,588	-2	-282,370	-5	-1,771
30	Woodford.....	2	67,387	108	318	2	48,447	81	255	---	+18,940	+27	+63
Total.....		162	31,402,399	107	44,078	167	43,073,058	130	47,024	-5	-11,670,659	-23	-2,946

TABLE 18—RELATIVE RANK OF COUNTIES, PRODUCING 500,000 TONS OR MORE, 1932-1928.

Number.	County.	1932.		1931.		1930.		1929.		1928.	
		Rank.	Tons.	Rank.	Tons.	Rank.	Tons.	Rank.	Tons.	Rank.	Tons.
1	Franklin.....	1	7,064,359	1	9,531,560	1	11,997,347	1	14,819,448	1	14,078,932
2	Perry.....	2	3,065,944	4	2,990,440	7	3,309,648	8	2,940,513	10	2,237,661
3	Saline.....	3	2,401,303	6	2,973,465	5	3,670,144	5	4,132,043	5	3,671,157
4	Macoupin.....	4	1,930,406	2	3,992,552	2	4,646,527	3	5,075,087	3	4,639,228
5	Christian.....	5	1,835,286	5	2,987,378	6	3,635,976	6	3,655,022	6	3,604,472
6	St. Clair.....	6	1,812,940	7	2,778,643	9	2,447,784	9	2,803,441	8	2,955,266
7	Williamson.....	7	1,807,728	9	2,165,819	3	4,107,573	2	5,274,804	2	5,181,894
8	Vermilion.....	8	1,674,828	8	2,540,023	8	2,930,924	7	3,053,187	7	3,353,548
9	Sangamon.....	9	1,667,479	3	3,352,211	4	3,700,419	4	4,275,675	4	3,739,423
10	Jackson.....	10	1,336,968	10	1,938,141	11	2,054,836	14	1,576,752	14	904,194
11	Fulton.....	11	1,116,524	11	1,398,993	12	1,634,772	12	1,729,145	11	1,708,405
12	Will.....	12	976,178	15	988,500	15	865,666	15	701,280	21	234,920
13	Madison.....	13	909,595	14	1,157,124	10	2,229,592	10	2,749,319	9	2,274,787
14	Henry.....	14	655,055	16	775,956	17	504,761	22	86,263	22	34,269
15	Montgomery.....	15	626,674	12	1,255,432	13	1,599,246	11	1,866,886	13	1,411,345
16	Peoria.....	16	512,250	13	1,214,567	14	967,745	13	1,636,697	12	1,505,782
17	Marion.....	17	373,945	19	360,576	20	376,799	19	537,703	17	550,177
18	Washington.....	18	333,827	18	384,350	16	531,304	20	525,632	19	501,932
19	Tazewell.....	19	273,664	20	343,221	19	437,791	21	509,480	16	577,262
20	Randolph.....	20	195,599	17	469,188	18	443,193	16	564,984	15	638,584
21	LaSalle.....	21	132,155	21	316,035	22	326,341	17	548,257	20	418,298
22	Clinton.....	22	92,895	22	183,507	21	364,767	18	542,843	18	508,112

TABLE 19—TONS OF COAL PRODUCED, AVERAGE DAYS WORKED, NUMBER OF MINES OPERATED AND NUMBER EMPLOYED IN ALL SHIPPING MINES, AND ALSO IN STRIP MINES, WITH PERCENTAGES BY YEARS FROM 1920 TO 1932.

Years.	All shipping mines.				Strip mines.				Percentage of strip mines.		
	Number of—		Average days worked	Tons produced.	Number of—		Average days worked	Tons produced.	Mines.	Men.	Tons.
	Mines.	Men.			Mines.	Men.					
1920.....	373	85,037	176	72,409,610	3	217	149	367,009	0.08	0.25	.57
1921.....	389	92,080	174	78,339,082	3	242	183	437,006	0.08	0.26	.56
1922.....	352	93,681	127	61,406,093	5	446	134	533,923	1.42	0.48	.87
1923.....	374	99,081	146	73,410,837	6	412	180	895,608	1.60	0.42	1.22
1924.....	338	95,499	139	70,324,363	11	611	155	1,184,285	3.25	0.64	1.68
1925*.....	255	77,629	231	100,012,299	18	1,181	264	4,722,597	7.06	1.52	4.72
1926.....	244	73,497	155	67,836,441	16	1,203	176	3,482,611	6.56	1.64	5.13
1927.....	241	74,117	112	44,926,433	15	1,139	138	2,756,410	6.22	1.54	6.14
1928.....	206	61,154	152	54,284,184	14	1,149	206	4,113,908	6.80	1.88	7.58
1929.....	200	54,721	162	59,075,995	17	1,518	176	5,250,501	8.50	2.77	8.89
1930.....	185	51,215	145	51,996,608	15	1,519	181	6,220,336	8.11	2.97	11.96
1931.....	167	47,024	130	43,073,058	15	1,591	164	6,576,677	8.92	3.38	15.27
1932.....	162	44,078	107	31,402,399	17	1,769	163	6,628,228	10.50	4.00	21.11

* From July 1, 1924 to December 31, 1925.

TABLE 20—PRODUCTION OF COAL FROM 1882 TO 1932, BY PERIODS.

County.	First period, 1882-1892, eleven years.	Second period, 1893-1902, ten years.	Third period, 1903-1912, ten years.	Fourth period, 1913-1922, ten years.	Fifth period, 1923-1932, ten years.	Grand total.
Bond.....	462,253	1,096,901	1,377,573	1,585,917	2,102,644	6,625,288
Bureau.....	4,084,228	11,940,880	16,413,758	11,706,542	2,150,453	46,295,861
Cass.....	50,726	87,848	11,352	25,183	25,026	200,135
Christian.....	2,574,473	7,205,943	11,509,987	24,980,760	36,230,331	82,501,494
Clinton.....	1,067,639	4,135,236	9,751,199	11,981,109	6,062,087	32,997,270
Edgar.....	73,161	800	21,655		109,537	205,153
Franklin.....	1,100	120	13,966,993	96,904,643	130,226,169	241,099,025
Fulton.....	4,003,640	6,150,384	17,975,802	22,396,678	18,716,547	69,243,051
Gallatin.....	268,602	346,745	728,166	1,307,181	419,063	3,069,757
Greene.....	145,373	116,044	86,118	66,370	94,369	508,274
Grundy.....	8,408,635	11,957,019	11,323,512	3,245,415	2,906,039	37,840,620
Hancock.....	59,524	61,658	86,110	40,196	41,884	289,372
Henry.....	1,617,551	1,212,915	1,417,602	438,920	2,788,756	7,475,744
Jackson.....	4,849,266	8,313,530	7,427,784	8,985,666	15,483,885	45,060,091
Jefferson.....	3,304	270,352	176,827	83,434	693,363	1,227,280
Jersey.....	38,158	22,516	14,754	22,013	8,583	106,049
Johnson.....	112,724	24,966	22,923	51,879	27,485	239,977
Kankakee.....	738,106	974,181	238,691		800	1,951,778
Knox.....	515,360	555,740	550,179	311,097	1,689,458	3,621,834
LaSalle.....	12,315,119	15,528,757	16,312,971	10,678,032	5,191,975	60,026,854
Livingston.....	3,689,193	2,583,034	2,251,565	1,067,813	338,394	9,929,999
Logan.....	1,628,888	1,811,104	4,087,467	4,079,730	1,945,474	13,552,663
Macon.....	1,674,378	1,914,486	2,270,161	2,352,587	1,464,934	9,676,546
Macoupin.....	13,150,592	18,537,594	36,262,837	59,949,145	52,015,950	179,916,118
McDonough.....	1,166,556	592,358	386,847	200,695	176,481	2,522,937
McLean.....	1,505,175	1,776,331	1,461,917	649,534	141,632	5,534,589
Madison.....	6,877,408	11,709,210	32,986,318	40,165,189	27,666,256	119,404,381
Marion.....	1,912,071	6,529,188	10,538,558	9,514,335	5,347,853	33,842,005
Marshall.....	567,684	3,128,438	4,537,233	3,592,891	792,575	12,418,871
Menard.....	1,877,418	3,503,430	3,917,811	1,544,401	867,541	11,710,601
Mercer.....	1,928,057	4,623,135	4,414,042	2,975,194	755,624	14,696,052
Montgomery.....	458,400	2,760,693	12,254,811	30,119,333	18,007,335	63,600,572
Morgan.....	90,490	19,109	31,831	12,294	8,778	162,502
Moultrie.....			76,055	1,707,337	248,844	2,032,236
Peoria.....	5,283,051	6,278,238	9,610,148	12,589,947	12,360,722	46,122,106
Perry.....	3,870,552	7,153,820	14,123,638	23,540,434	26,100,428	74,788,872
Putnam.....			3,183,416	5,661,897	860,113	9,705,426
Randolph.....	1,254,827	2,822,444	7,079,868	12,355,186	8,544,505	32,056,830
Rock Island.....	1,318,200	473,027	720,894	547,649	339,254	3,399,024
St. Clair.....	13,156,808	19,427,686	40,352,379	51,249,956	33,801,783	157,988,612
Saline.....	1,113,472	931,663	18,959,571	44,423,046	41,337,227	106,764,979
Sangamon.....	9,158,957	20,256,558	48,104,902	63,310,212	47,859,915	188,690,544
Schuyler.....	172,396	129,230	135,575	172,443	270,569	880,213
Scott.....	155,963	222,573	137,850	35,660	30,855	582,901
Shelby.....	108,849	705,690	1,336,348	1,248,210	571,439	3,970,536
Stark.....	208,692	227,550	335,868	162,324	123,778	1,058,212
Tazewell.....	747,663	1,180,710	2,065,352	5,038,367	5,402,519	14,434,611
Vermilion.....	5,955,153	17,315,861	27,218,123	3,136,644	32,539,468	86,165,249
Warren.....	172,274	136,451	137,107	58,110	73,962	577,904
Washington.....	498,853	433,637	679,526	6,327,157	3,707,189	11,646,362
Will.....	4,486,605	490,026	1,390,295	826,661	3,774,701	10,968,288
Williamson.....	1,855,431	9,178,066	48,236,427	91,104,463	64,265,099	214,639,486
Woodford.....	1,446,111	1,540,013	1,478,428	1,520,745	851,353	6,836,650
Other counties.....	216,069	108,792	189,041	938,797	533,094	1,985,793
Total.....	128,657,132	218,501,680	450,166,211	705,219,421	618,094,098	2,120,638,542

TABLE 21—RANK OF COUNTIES IN ORDER OF PRODUCTION, BY PERIODS.

County.	Periods.					Total.
	First.	Second.	Third.	Fourth.	Fifth.	
	Rank.	Rank.	Rank.	Rank.	Rank.	
Bond.....	35	29	33	29	26	33
Bureau.....	10	7	9	16	25	15
Cass.....	48	45	53	49	50	51
Christian.....	15	11	14	10	6	10
Clinton.....	29	17	17	15	16	20
Edgar.....	46	50	51	-----	44	50
Franklin.....	51	51	12	1	1	1
Fulton.....	12	15	8	12	11	12
Gallatin.....	37	38	35	32	37	38
Greene.....	42	44	46	44	45	47
Grundy.....	5	6	15	25	23	18
Hancock.....	47	46	47	47	47	48
Henry.....	22	27	31	38	24	31
Jackson.....	9	10	19	19	13	17
Jefferson.....	50	39	42	43	35	42
Jersey.....	49	48	52	50	52	53
Johnson.....	43	47	50	46	49	49
Kankakee.....	31	30	41	-----	53	41
Knox.....	33	34	38	39	28	36
LaSalle.....	3	5	10	17	19	14
Livingston.....	14	22	27	34	38	29
Logan.....	21	24	23	23	27	24
Macon.....	20	23	26	27	29	8
Macoupin.....	2	3	4	4	3	4
McDonough.....	27	33	39	40	41	39
McLean.....	23	25	30	36	42	34
Madison.....	6	8	5	7	9	6
Marion.....	17	13	16	18	18	19
Marshall.....	32	19	22	24	33	25
Menard.....	18	18	24	30	30	26
Mercer.....	16	16	21	26	34	22
Montgomery.....	36	21	13	9	12	13
Morgan.....	45	49	49	51	51	52
Moultrie.....	-----	-----	48	28	40	40
Peoria.....	8	14	18	13	14	16
Perry.....	13	12	11	11	10	11
Putnam.....	-----	-----	25	21	31	30
Randolph.....	26	20	20	14	15	21
Rock Island.....	25	36	36	37	21	37
St. Clair.....	1	2	3	5	7	5
Saline.....	28	31	7	6	5	7
Sangamon.....	4	1	2	3	4	3
Schuyler.....	39	43	45	41	39	44
Scott.....	41	41	43	48	48	45
Shelby.....	44	32	34	33	36	35
Stark.....	38	40	40	42	43	43
Tazewell.....	30	28	28	22	17	23
Vermilion.....	7	4	6	8	8	9
Warren.....	40	42	44	45	46	46
Washington.....	34	37	37	20	22	27
Will.....	11	35	32	35	20	28
Williamson.....	19	9	1	2	2	2
Woodford.....	24	26	29	31	32	32

TABLE 22—PRODUCTION BY STATES IN 1931. NUMBER EMPLOYED, AVERAGE DAYS WORKED, AND AVERAGE TONS MINED PER MAN.

(Compiled from reports of U. S. Bureau of Mines).

State.	Tons produced.	Number of employees.						Average days worked.	Average tons per man.		
		Underground.			Surface.				Total.	Per year.	Per day.
		Miners, loaders, shot-firers.	Haulage and trackmen.	All others.	In strip pits.	All others.					
Alabama.....	11,998,781	14,969	2,438	2,580	179	2,807	22,973	136	522	3.8	
Arkansas.....	1,153,555	3,344	426	340	36	587	4,733	95	244	2.6	
Colorado.....	6,604,369	6,735	1,026	736	12	1,519	10,028	142	659	4.6	
Georgia.....	21,580	45	7	4	—	6	62	180	348	1.9	
Illinois.....	44,303,295	29,865	5,734	6,742	1,516	5,828	49,685	136	892	6.6	
Indiana.....	14,295,165	6,963	1,352	1,126	1,635	1,235	12,311	146	1,161	8.0	
Iowa.....	3,388,355	5,840	752	635	—	670	7,897	142	429	3.0	
Kansas.....	1,986,370	2,448	295	183	523	364	3,813	123	521	4.2	
Kentucky.....	40,238,803	29,918	5,881	5,777	85	6,543	48,204	159	835	5.3	
Maryland.....	2,005,773	2,252	347	275	—	350	3,224	190	622	3.3	
Michigan.....	359,403	949	192	136	—	95	1,372	96	262	2.7	
Missouri.....	3,620,497	3,241	381	326	919	495	5,362	142	675	4.8	
Montana.....	2,378,052	913	227	124	56	352	1,672	153	1,422	9.3	
New Mexico.....	1,552,822	1,948	280	189	—	413	2,830	145	549	3.8	
North Dakota.....	1,519,307	632	86	54	275	253	1,300	166	1,169	7.0	
Ohio.....	20,410,995	17,888	2,170	2,076	400	2,551	25,085	174	814	4.7	
Oklahoma.....	1,908,394	2,971	491	423	285	464	4,634	115	412	3.6	
Pennsylvania											
(Bituminous).....	97,658,698	81,954	10,712	11,094	194	12,772	116,726	169	837	5.0	
Tennessee.....	4,446,366	4,831	691	548	—	940	7,010	169	634	3.8	
Texas.....	716,020	782	124	98	24	120	1,148	140	624	4.5	
Utah.....	3,350,044	1,854	448	274	—	692	3,268	140	1,025	7.3	
Virginia.....	9,698,680	6,479	1,577	1,664	—	1,637	11,357	175	854	4.9	
Washington.....	1,846,461	1,692	260	281	—	429	2,662	170	694	4.1	
West Virginia.....	101,473,172	58,377	13,507	11,688	7	14,208	97,787	176	1,038	5.9	
Wyoming.....	4,993,686	2,838	636	449	25	811	4,759	154	1,049	6.8	
Other states.....	160,203	138	29	37	34	73	311	123	515	4.2	
Total bituminous.....	382,089,366	289,866	50,069	47,859	6,205	56,214	450,213	160	849	5.3	
Pennsylvania											
(Anthracite).....	59,645,652	74,435	12,774	22,071	2,232	27,919	139,431	181	428	2.4	
Total.....	441,735,048	364,301	62,843	69,930	8,437	84,133	589,644	165	749	4.5	

TABLE 23—COAL PRODUCTION BY STATES FOR TWO PERIODS OF FIVE YEARS EACH (1923-1927 AND 1928-1932) IN THOUSANDS OF TONS, ALSO, SHOWING THE PER CENT OF INCREASE OR DECREASE DURING THE LAST PERIOD.

State.	Production in thousands of tons.		Increase or decrease in thousands of tons.		Per cent of—	
	First period— five years— 1923-1927.	Second period— five years— 1928-1932.	Increase.	Decrease.	Increase.	Decrease.
Alabama.....	104,359	70,984	-----	33,375	-----	32.0
Arkansas.....	6,977	7,083	106	-----	1.5	-----
Colorado.....	51,468	40,134	-----	11,332	-----	22.0
Georgia.....	354	132	-----	224	-----	63.3
Illinois.....	330,750	254,640	-----	76,110	-----	23.0
Indiana.....	110,057	77,908	-----	32,149	-----	29.2
Iowa.....	24,471	18,636	-----	5,835	-----	23.8
Kansas.....	21,075	12,067	-----	9,008	-----	42.7
Kentucky.....	277,041	249,381	-----	27,660	-----	10.0
Maryland.....	11,998	10,983	-----	1,015	-----	8.5
Michigan.....	4,855	2,797	-----	2,058	-----	42.4
Missouri.....	20,550	19,031	-----	1,519	-----	7.4
Montana.....	15,037	14,287	-----	750	-----	5.0
New Mexico.....	14,001	10,082	-----	3,919	-----	28.0
North Dakota.....	6,868	8,216	1,348	-----	19.6	-----
Ohio.....	142,725	95,643	-----	47,082	-----	33.0
Oklahoma.....	13,199	13,303	104	-----	0.8	-----
Pennsylvania.....	725,400	572,873	-----	152,527	-----	21.0
Tennessee.....	27,623	25,832	-----	3,791	-----	13.7
Texas.....	5,759	4,453	-----	1,306	-----	22.7
Utah.....	23,051	20,462	-----	2,589	-----	11.2
Virginia.....	62,303	53,280	-----	9,023	-----	14.5
Washington.....	13,341	11,014	-----	2,327	-----	17.4
West Virginia.....	620,575	578,192	-----	42,383	-----	6.8
Wyoming.....	34,181	28,499	-----	5,682	-----	16.6
Other states.....	928	952	24	-----	2.6	-----
Total bituminous.....	2,668,946	2,198,864	1,582	471,664	-----	17.7
Anthracite.....	407,616	327,557	-----	80,059	-----	19.6
Total.....	3,076,562	2,526,421	1,582	551,723	-----	17.9

NOTE.—Compiled from reports of the U. S. Bureau of Mines.

TABLE 24—PRODUCTION OF COAL IN THE UNITED STATES FROM THE EARLIEST PERIOD TO DECEMBER 31, 1931, BY STATES IN THOUSANDS OF TONS, AND THEIR RANK IN ORDER OF PRODUCTION.

(The tonnage is taken by permission from the reports of U. S. Bureau of Mines).

State.	From the earliest records to the end of 1915.		From 1916 to the end of 1920.		From 1921 to the end of 1925.		From 1926 to the end of 1931.		Total production.	
	Rank.	Tons.	Rank.	Tons.	Rank.	Tons.	Rank.	Tons.	Rank.	Tons.
Alabama.....	5	285,476	7	89,170	7	90,486	7	103,900	7	569,032
Arkansas.....	21	40,049	22	9,897	21	6,307	22	9,051	21	65,304
Colorado.....	9	192,158	8	57,976	9	50,244	9	54,831	8	355,209
Georgia.....	24	9,725	24	463	25	312	25	268	25	10,768
Illinois.....	2	1,050,881	3	381,657	3	394,408	4	332,986	3	2,159,932
Indiana.....	6	285,279	6	127,575	6	108,386	6	106,630	6	627,870
Iowa.....	8	201,667	11	37,858	12	24,760	13	22,752	11	287,037
Kansas.....	11	143,383	12	32,779	14	19,637	17	18,052	14	213,851
Kentucky.....	7	249,874	5	150,542	4	218,715	3	345,818	5	964,949
Maryland.....	10	183,967	17	20,790	20	10,166	18	15,509	13	230,422
Michigan.....	23	25,351	23	6,506	24	4,882	24	5,886	23	40,625
Missouri.....	14	127,917	14	25,430	15	15,054	14	21,309	15	189,710
Montana.....	19	46,994	18	20,042	16	14,403	16	18,069	19	99,508
New Mexico.....	18	49,214	19	18,639	17	13,858	19	14,610	20	96,321
North Dakota.....	25	6,458	25	3,936	22	6,102	21	9,630	24	26,126
Ohio.....	4	723,955	4	203,045	5	157,951	5	125,566	4	1,210,517
Oklahoma.....	17	67,156	16	21,459	18	13,707	16	18,635	16	120,957
Pennsylvania (bituminous).....	1	3,037,883	1	842,660	1	668,604	2	782,847	1	5,331,994
Tennessee.....	12	135,425	13	31,037	11	25,388	11	32,165	9	324,015
Texas.....	22	31,062	21	9,901	23	5,421	23	5,950	22	52,334
Utah.....	20	40,466	15	23,465	13	22,969	12	26,776	18	113,676
Virginia.....	15	112,369	9	50,791	8	52,238	8	72,304	10	287,702
Washington.....	16	69,952	20	17,878	19	13,129	20	14,417	17	115,376
West Virginia.....	3	936,380	2	431,846	2	485,219	1	783,048	2	2,636,493
Wyoming.....	13	129,769	10	42,776	10	34,058	10	39,623	12	246,226
Other states.....	--	45,848	--	469	--	626	--	359	--	47,302
Total, bituminous.....	--	8,228,658	--	2,658,587	--	2,457,030	--	2,978,991	--	16,323,266
Pennsylvania, anthracite.....	--	2,626,514	--	463,706	--	388,239	--	442,740	--	3,921,199
Total.....	--	10,855,172	--	3,122,293	--	2,845,269	--	3,421,731	--	20,244,465
Percent of bituminous coal mined in—										
Illinois.....	2	12.8	3	14.4	3	16.0	4	11.2	3	13.2
West Virginia.....	3	11.4	2	16.2	2	19.7	1	26.3	2	16.2
Pennsylvania.....	1	36.8	1	31.7	1	27.2	2	26.2	1	32.7
Ohio.....	4	8.1	4	7.6	5	6.0	5	4.2	4	7.4
Kentucky.....	7	2.2	5	5.7	4	8.9	3	11.6	5	5.9
Indiana.....	6	3.5	6	4.8	6	4.4	6	3.6	6	3.8
All other states.....	--	25.2	--	19.6	--	17.8	--	16.9	--	20.8

TABLE 25—OUTPUT OF MINES IN TONS IN ILLINOIS, INDIANA, KENTUCKY, PENNSYLVANIA, AND WEST VIRGINIA, 1920-1932, SHOWING PER CENT OF INCREASE OR DECREASE.

Year.	Illinois.	Indiana.	Kentucky.	Pennsylvania (bituminous).	West Virginia.
1920.....	73,920,653	29,351,150	38,892,044	166,929,002	79,991,316
1921.....	80,121,948	20,319,005	30,282,659	114,447,134	80,761,604
1922.....	63,276,827	19,133,140	41,917,321	108,310,046	70,888,261
1923.....	75,514,095	26,229,099	43,122,109	169,181,137	87,033,409
1924.....	72,308,665	21,480,179	43,387,732	128,751,028	*156,570,186
1925.....	*103,186,160	21,255,450	54,687,932	135,266,612	123,061,985
1926.....	69,813,255	23,186,373	63,630,955	151,746,464	144,603,574
1927.....	46,949,700	17,936,260	69,923,979	131,644,922	146,089,121
1928.....	56,211,082	16,379,000	61,634,243	129,846,153	133,866,587
1929.....	61,127,759	18,344,358	60,405,528	142,351,359	139,297,946
1930.....	54,035,116	16,489,962	51,208,905	123,417,850	122,429,767
1931.....	45,152,623	14,295,165	40,238,803	97,658,698	101,473,172
1932.....	34,120,786	†12,400,000	†35,610,000	†76,028,000	†83,765,000
Per cent of increase (+); decrease (—), 1920-1932.....	—53.8	—57.8	—8.4	—54.5	+4.5

NOTE.—Figures for states outside of Illinois were taken from reports of the Federal Bureau of Mines.

* For 18 months; changed from fiscal to calendar year.

† Estimated.

TABLE 26—MINES WHERE EMPLOYEES DIVIDED WORKING TIME.

Name of operator.	Location of mine.			Employees.		Tons mined.	Days worked.
	Dis- trict.	Postoffice.	County.	Work- ing.	On pay- roll.		
Alcoa Ore Co.....	8	Belleville.....	St. Clair.....	136	164	80,400	67
Beckemeyer Coal Co.....	8	Breese.....	Clinton.....	50	76	13,768	50
Carbon Fuel Co.....	12	Marion.....	Williamson.....	33	44	13,298	162
Centralia Coal Co.....	9	Centralia.....	Washington.....	215	233	267,602	141
Chicago, Wilmington & Franklin Coal Co., No. 1.....	10	Orient.....	Franklin.....	580	1,005	538,578	114
Chicago, Wilmington & Franklin Coal Co., No. 2.....	10	West Frankfort.....	do.....	1,198	1,218	1,061,576	102
Consolidated Coal Co., No. 7.....	12	Herrin.....	Williamson.....	312	413	431,332	132
Cosgrove-Meehan Coal Co., No. 1.....	12	Johnston City.....	do.....	275	313	160,464	129
Cosgrove-Meehan Coal Co., No. 3.....	12	Marion.....	do.....	258	303	14,344	12
Cosgrove-Meehan Coal Co., No. 5.....	6	Panama.....	Montgomery.....	304	425	147,093	63
Coulterville Coal Co.....	9	Coulterville.....	Perry.....	121	217	18,243	29
Cutler Coal Mining Co.....	9	Cutler.....	do.....	57	101	4,102	27
Franklin County Coal Co., No. 7.....	10	Royalton.....	Franklin.....	453	628	389,107	141
Freeman Coal Co.....	12	Herrin.....	Williamson.....	225	328	126,748	111
Gillespie Coal Co.....	6	Gillespie.....	Macoupin.....	172	195	206,612	148
Groom Coal Co.....	8	Belleville.....	St. Clair.....	56	96	38,858	45
Illinois-Pocahontas Coal Co.....	7	Pocahontas.....	Bond.....	91	212	36,549	98
Indiana & Illinois Coal Corp., No. 10.....	8	Nokomis.....	Montgomery.....	498	643	307,409	77
Kolb Coal Co., No. 2.....	8	Mascoutah.....	St. Clair.....	55	97	17,104	67
Livingston-Mt. Olive Coal Co.....	7	Livingston.....	Madison.....	199	360	133,145	110
Lumaghi Coal Co.....	7	Collinsville.....	do.....	267	334	278,389	133
Madison County Coal Mining Co.....	7	Edwardsville.....	do.....	99	257	8,400	23
Mt. Olive & Staunton Coal Co.....	7	Staunton.....	do.....	404	571	289,485	101
Old Ben Coal Corp., No. 8.....	10	West Frankfort.....	Franklin.....	510	598	635,821	140
Old Ben Coal Corp., No. 14.....	10	Buckner.....	do.....	541	727	197,425	49
Old Ben Coal Corp., No. 15.....	10	Ezra.....	do.....	472	529	611,925	152
Old Ben Coal Corp., No. 18.....	12	Johnston City.....	Williamson.....	420	739	625,216	123
Pana Coal Co., No. 1.....	4	Pana.....	Christian.....	123	201	64,942	93
Panther Creek Mines, No. 1.....	4	Auburn.....	Sangamon.....	363	698	115,731	57
Peabody Coal Co., No. 18.....	10	West Frankfort.....	Franklin.....	468	670	420,804	125

TABLE 26—Concluded.

Name of operator.	Location of mine.		Employees.		Tons mined.	Days worked.	
	Dis- trict.	Postoffice.	County.	Work- ing.			On pay- roll.
Peabody Coal Co., No. 25.....	12	Carterville.....	Williamson.....	268	305	200,864	101
Peabody Coal Co., No. 43.....	11	Harrisburg.....	Saline.....	386	635	341,258	106
Peabody Coal Co., No. 52.....	4	Riverton.....	Sangamon.....	337	361	113,605	48
Peabody Coal Co., No. 59.....	4	Springfield.....	do.....	279	300	157,675	77
Perry Coal Co., Carbon.....	8	O'Fallon.....	St. Clair.....	68	108	85,755	158
Perry Coal Co., St. Ellen.....	8	do.....	do.....	163	220	220,456	169
Service Coal Co.....	8	Belleville.....	do.....	68	91	47,578	175
Superior Coal Co., No. 2.....	6	Gillespie.....	Macoupin.....	486	613	334,212	100
Superior Coal Co., No. 3.....	6	do.....	do.....	462	671	359,985	102
Superior Coal Co., No. 4.....	6	do.....	do.....	556	649	249,534	61
U. S. Fuel Co., Bunsen.....	5	Georgetown.....	Vermilion.....	1 003	1,768	541,655	100
Valier Coal Co.....	10	Valier.....	Franklin.....	543	629	710,761	105
Virden Coal Co.....	6	Virden.....	Macoupin.....	93	165	12,118	31
Wasson Coal Co., No. 2.....	11	Harrisburg.....	Saline.....	99	135	8,827	11
Winkle Coal Co.....	9	Swanwick.....	Perry.....	59	105	16,549	62
Total.....				13,835	19,050	10,655,302	*94

* Average.

TABLE 27—GRADED OUTPUT OF SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE.

District.	Graded output of mines in tons.										
	Lump.	Furnace.	Small egg.	Stove.	Chestnut.	Pea coal.	Carbon.	Screenings.	Mine run.	Waste and loss in preparing.	Total.
First.....	224,670	346,680	191,259	73,082	108,569	57,852	-----	564,128	170,866	130,837	1,867,943
Second.....	164,538	60,406	4,966	210	-----	-----	-----	229,209	332,878	1,094	853,301
Third.....	276,401	433,197	97,130	55,175	-----	-----	-----	367,213	107,142	18,988	1,355,246
Fourth.....	592,447	662,831	421,630	44,836	12,824	29,837	19,914	1,254,604	435,056	73,290	3,597,269
Fifth.....	199,848	340,390	80,755	-----	-----	-----	-----	536,001	499,320	18,514	1,674,828
Sixth.....	1,314,828	367,875	42,726	44,608	8,009	2,792	-----	711,040	87,434	15,101	2,594,413
Seventh.....	317,174	236,344	132,813	42,114	7,815	-----	-----	464,794	87,448	31,587	1,320,089
Eighth.....	560,407	335,152	76,724	79,383	-----	6,252	46	599,233	252,678	25,960	1,905,835
Ninth.....	558,428	533,156	390,177	192,203	62,333	9,786	19,042	1,155,180	1,958,103	53,930	4,932,338
Tenth.....	958,042	1,140,024	729,609	284,068	294,630	167,048	444,322	2,384,137	559,016	163,463	7,064,359
Eleventh.....	294,124	453,528	347,069	115,314	73,039	31,315	63,952	929,725	88,096	32,888	2,429,050
Twelfth.....	217,924	236,619	169,517	101,425	20,879	27,598	61,627	613,770	314,079	44,290	1,807,728
Total.....	5,678,831	5,146,202	2,684,375	1,032,418	528,098	332,480	608,903	9,779,034	5,002,116	609,942	31,402,399
Local mines.....	-----	-----	-----	-----	-----	-----	-----	-----	2,718,357	-----	2,718,357
All mines.....	5,678,831	5,146,202	2,684,375	1,032,418	528,098	332,480	608,903	9,779,034	7,720,503	609,942	34,120,786

TABLE 28—DISPOSITION OF OUTPUT OF SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE.

District.	Disposition of output—tons.									
	Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to locomotives.	Tons sold to local trade.	Tons consumed at the mine.	All coal not sold including waste.	Tons handled by railroads.	Tons disposed of locally.	Percent of tonnage handled.
										By railroads.
First.....	1,867,943	1,149,889	441,621	1,210	135,218	9,002	131,003	1,502,720	275,223	85.3
Second.....	853,301	256,585	457,672	-----	133,582	4,568	894	714,257	139,044	83.7
Third.....	1,355,246	623,224	655,705	-----	52,938	3,876	19,903	1,278,929	76,317	94.4
Fourth.....	3,597,269	2,609,855	515,139	25,439	335,996	35,095	75,745	3,150,433	446,836	87.6
Fifth.....	1,674,828	1,080,316	537,944	608	24,624	12,444	18,892	1,618,868	55,960	96.7
Sixth.....	2,594,413	1,926,678	1,501,096	-----	93,112	62,391	11,136	2,427,774	166,639	93.6
Seventh.....	1,320,089	921,237	139,958	-----	187,256	44,528	27,110	1,061,195	258,894	80.4
Eighth.....	1,905,835	998,529	273,435	22,933	527,942	51,556	31,440	1,294,897	610,938	67.9
Ninth.....	4,932,338	2,720,663	1,987,474	54,215	61,706	53,519	54,761	4,762,352	169,986	96.6
Tenth.....	7,064,359	4,833,878	1,832,092	-----	39,028	81,301	278,060	6,665,970	398,389	94.4
Eleventh.....	2,429,050	1,939,091	308,089	-----	110,536	38,446	32,888	2,247,180	181,870	92.5
Twelfth.....	1,807,728	1,237,536	467,150	-----	18,796	23,148	61,098	1,704,686	103,042	94.3
Shipping mines.....	31,402,399	19,297,481	9,117,375	104,405	1,720,734	419,874	742,530	28,519,261	2,883,138	90.8
Local mines.....	2,718,387	-----	-----	-----	2,633,958	62,350	22,079	-----	2,718,387	100.0
The State.....	34,120,786	19,297,481	9,117,375	104,405	4,354,692	482,224	764,609	28,519,261	5,601,525	83.6

TABLE 29—DISPOSITION OF OUTPUT OF ALL MINES—SHIPPING AND LOCAL, BY YEARS.

Year.	Total output— tons—all mines.	Handled by railroads— tons.	Disposed of otherwise— tons.	Per cent of output handled by railroads.
1898.....	18,599,299	15,596,888	3,002,411	83.8
1899.....	23,434,445	20,019,147	3,415,298	85.4
1900.....	25,153,929	21,893,885	3,260,044	87.0
1901.....	26,685,319	23,547,911	3,137,408	88.3
1902.....	30,021,300	26,648,826	3,372,474	88.8
1903.....	34,955,400	31,201,620	3,753,780	89.3
1904.....	37,077,897	33,001,359	4,076,538	89.0
1905.....	37,183,374	32,845,310	4,338,064	88.4
1906.....	38,317,581	34,131,454	4,186,127	89.1
1907.....	47,798,621	43,133,241	4,665,380	90.2
1908.....	49,272,436	45,026,922	4,245,514	91.4
1909.....	49,163,710	44,918,206	4,245,504	91.4
1910.....	48,717,853	43,893,232	4,824,621	90.1
1911.....	50,165,099	45,456,193	4,708,906	90.6
1912.....	57,514,240	52,427,236	5,087,004	91.2
1913.....	61,846,204	56,876,944	4,969,260	92.0
1914.....	60,715,795	55,844,649	4,871,146	92.0
1915.....	57,601,694	53,167,494	4,434,200	92.3
1916.....	63,673,530	59,220,823	4,452,707	93.0
1917.....	78,983,517	73,550,125	5,433,392	93.1
1918.....	89,979,465	83,710,214	6,269,251	93.0
1919.....	75,099,784	68,988,042	6,111,742	91.9
1920.....	73,920,653	67,817,622	6,103,031	91.7
1921.....	80,121,948	73,572,012	6,549,936	91.8
1922.....	63,276,827	57,224,703	6,052,124	90.8
1923.....	75,514,095	68,970,913	6,543,182	91.3
1924.....	72,308,665	66,644,747	5,663,918	92.2
1925 (a).....	103,186,166	95,610,713	7,575,453	92.7
1926.....	69,813,255	64,961,964	4,851,291	93.0
1927.....	46,949,700	42,472,805	4,476,895	90.5
1928.....	56,211,082	51,524,485	4,686,597	91.7
1929.....	61,127,759	55,761,398	5,366,361	91.2
1930.....	54,035,116	48,682,938	5,352,178	90.0
1931.....	45,152,623	39,940,793	5,211,830	88.4
1932.....	34,120,786	28,519,261	5,601,525	83.6

a From July 1, 1924, to December 31, 1925.

TABLE 30—MINES SERVED BY RAILROADS AND THE INITIALS OF ROADS
SERVING—ARRANGED BY COUNTIES AND DISTRICTS.

Operators.	Railroads.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.	Total tons handled by railroads.
HENRY COUNTY		351,880	164,157	10	516,047
Midland Electric Coal Corp.	C. R. I. & P.	325,235	160,768	10	486,013
Shuler Coal Mining Co.	C. B. & Q.	26,645	3,389		30,034
LA SALLE COUNTY		73,567			73,567
Union Coal Co.	C. R. I. & P.	73,567			73,567
PUTNAM COUNTY		75,403		1,200	76,603
Prairie State Coal Co.	R. I. & N.	51,451		1,200	52,651
	C. M. St. P. & P.	13,076			13,076
	N. Y. C.	10,876			10,876
WILL COUNTY		649,039	277,464		926,503
Northern Illinois Coal Corp. No. 10.	C. & A.	649,039	100,993		750,032
	A. T. & S. F.		151,683		151,683
	Belt Ry.		11,545		11,545
	E. J. & E.		7,479		7,479
	B. & O.		5,764		5,764
Totals First District		1,149,889	441,621	1,210	1,592,720
PEORIA COUNTY		66,159	417,461		483,620
Crescent Mining Co., No. 6.	P. T.	46,536	1,566		48,102
	C. R. I. & P.		330,056		330,056
	P. & P. U.		22,430		22,430
Dorthel Coal Co., No. 1.	M. & St. L.		52,097		52,097
Central West Coal Co., No. 3.	C. B. & Q.	19,623	4,450		24,073
Crescent Mining Co., No. 1.	P. T.		340		340
	C. R. I. & P.		6,083		6,083
	P. & P. U.		439		439
TAZEWELL COUNTY		164,892	40,061		204,953
Lake Erie Mining Co.	P. & P. U.	158,938	13,356		172,294
	M. & St. L.		13,371		13,371
	T. P. & W.		13,334		13,334
Ubben Coal Co.	C. C. C. & St. L.	5,954			5,954
WOODFORD COUNTY		25,534	150		25,684
W. G. Sutton, No. 2.	I. C.	22,079			22,079
	A. T. & S. F.	231			231
Roanoke Coal & Tile Co., No. 1.	A. T. & S. F.	3,224	150		3,374
Totals Second District		256,585	457,672		714,257
FULTON COUNTY		589,332	495,090		1,084,422
United Electric Coal Co., No. 9.	C. B. & Q.	254,184	125,661		379,845
Truax Traer Coal Co., St. David.	C. B. & Q.	221,109	56,701		277,810
	C. R. I. & P.		43,712		43,712
	M. & St. L.		7,152		7,152
	Belt Ry.		5,753		5,753
	P. & P. U.		3,841		3,841
	Minn. Tfr.		3,347		3,347
	A. T. & S. F.		2,024		2,024
Canton Coal Co.	C. B. & Q.	58,469	116,617		175,086
Dorthel Coal Co., No. 2.	M. & St. L.	40,346	124,524		164,870
Dorthel Coal Co., No. 3.	M. & St. L.	1,742	2,088		3,830
Illinois Colliery Co.	C. B. & Q.	13,482	3,670		17,152
KNOX COUNTY		33,892	160,615		194,507
Galesburg Mining Co., No. 1.	A. T. & S. F.	33,892	160,615		194,507
Totals Third District		623,224	655,705		1,278,929

TABLE 30—Continued.

Operators.	Railroads.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.	Total tons handled by railroads.
CHRISTIAN COUNTY		1,478,340	178,140	11,568	1,668,048
Peabody Coal Co., No. 9	C. & I. M.	543,478	16,182		559,660
	C. & N. W.		2,734		2,734
Peabody Coal Co., No. 7	C. & I. M.	409,018	16,878		425,896
	C. & N. W.		1,657		1,657
Peabody Coal Co., No. 58	C. & I. M.	148,637	95		148,732
	Wabash	29,636	126,604		156,240
	C. R. I. & P.		4,757		4,757
	C. & N. W.		1,243		1,243
Peabody Coal Co., No. 8	C. & I. M.	286,102	2,700		288,802
Penwell Coal Mining Co.	I. C.	41,678	3,326		45,004
Pana Coal Co.	I. C.	18,051	1,964	11,568	31,583
	B. & O.	1,010			1,010
	C. C. C. & St. L.	444			444
	C. & E. I.	286			286
LOGAN COUNTY		24,916		13,849	38,765
Brewerton Coal Co., No. 92	I. C.	21,790		13,849	35,639
	C. & A.	3,126			3,126
SANGAMON COUNTY		1,106,599	336,999	22	1,443,620
Mine B Coal Co., B	C. & A.	61,936	19,600		81,536
	Wabash	49,865	31,408		81,273
	C. S. & St. L.	17,908	5,400		23,308
Panther Creek Mines, No. 4	C. & A.	56,716	22,865		79,581
	I. C.	30,710	2,418		33,128
	Wabash	20,284	1,070		21,354
	B. & O.	16,320			16,320
	C. & I. M.	5,642			5,642
	I. T. S.	4,770			4,770
	C. S. & St. L.	2,661	1,603		4,264
Central Ill. Coal Mining Co., A	C. S. & St. L.	120,783	35,764		156,547
Sangamon Coal Co., No. 2	C. & A.	49,731	17,798		67,529
	I. C.	40,690	17,004		57,694
	Wabash	5,235	1,819		7,054
	I. T. S.		2,429		2,429
	C. G. W.		1,689		1,689
Peabody Coal Co., No. 59	Springfield Ter.	153,858		22	153,880
Peabody Coal Co., No. 51	C. & I. M.	95,557	12,786		108,343
	C. & A.	18,850	448		19,298
	Wabash	8,742			8,742
	I. T. S.	5,369			5,369
	I. C.	4,871			4,871
	B. & O.	1,985			1,985
	C. S. & St. L.	1,932			1,932
Peabody Coal Co., No. 57	I. C.	67,513			67,513
	B. & O.	29,564			29,564
	I. T. S.	14,687			14,687
Peabody Coal Co., No. 53	Wabash	38,321	18,733		57,054
	C. & I. M.	36,561			36,561
	C. & A.	1,119			1,119
	I. C.	463			463
	I. T. S.	358			358
	B. & O.	99			99
Panther Creek Mines, No. 1	C. & A.	49,278	56,772		106,050
Peabody Coal Co., No. 52	Wabash	53,132	55,258		108,390
Panther Creek Mines, No. 5	C. & A.	27,391	32,135		59,526
	I. C.	5,334			5,334
	Wabash	3,090			3,090
	C. & I. M.	2,985			2,985
	B. & O.	1,272			1,272
	I. T. S.	768			768
	C. S. & St. L.	249			249
Totals Fourth District		2,609,855	515,139	25,439	3,150,433

TABLE 30—Continued.

Operators.	Railroads.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.	Total tons handled by railroads.
VERMILION COUNTY		1,080,316	537,944	608	1,618,868
Peabody Coal Co., No. 24	C. C. C. & St. L.	176,245	202,625		378,870
	C. & E. I.	159,177			159,177
United States Fuel Co., Bun	C. & E. I.	397,668	138,035	279	535,982
United Electric Coal Co., No. 1	I. T. S.	123,165			123,165
	P. & E.	50,389	122,483		172,872
United States Fuel Co., Verm	C. & E. I.	124,736	47,512	329	172,577
United Electric Coal Co., No. 2	I. T. S.	44,328	1,129		45,457
Tilton Mining Co.	Wabash	4,608	26,160		30,768
Totals Fifth District		1,080,316	537,944	608	1,618,868
MACOUPIN COUNTY		494,720	1,337,946		1,832,666
Consolidated Coal Co., No. 15	Wabash	295,953	153,200		449,153
Superior Coal Co., No. 3	C. & N. W.		343,949		343,949
Superior Coal Co., No. 2	C. & N. W.		320,815		320,815
Superior Coal Co., No. 1	C. & N. W.		277,914		277,914
Superior Coal Co., No. 4	C. & N. W.		242,068		242,068
Gillespie Coal Co.	I. T. S.	194,976			194,976
Virden Coal Co.	C. & N. W.	1,211			1,211
	C. & A.	411			411
	C. B. & Q.	278			278
South Mine Coal Co.	I. T. S.	1,891			1,891
MONTGOMERY COUNTY		429,234	163,150		592,384
Ind. & Ill. Coal Co., No. 10	C. C. C. & St. L.	153,021	90,801		243,822
	C. & E. I.	28,277	34,673		62,950
Hillsboro Coal Co.	N. Y. C.	100,015	36,288		136,303
	C. & E. I.	7,877	1,388		9,265
Cosgrove Meehan Coal Co., No. 5	St. L. T. & W.	140,044			140,044
SHELBY COUNTY		2,724			2,724
Moweaqua Coal Corp., No. 1	I. C.	2,724			2,724
Totals Sixth District		926,678	1,501,096		2,427,774
BOND COUNTY		25,128	2,755		27,883
Illinois-Pocahontas Coal Co.	Penn.	25,128	2,755		27,883
MADISON COUNTY		658,759	76,568		735,327
Mt. Olive & Staunton Coal Co., No. 2	L. & M.	258,389	8,059		266,448
Lumaghi Coal Co., No. 2	Penn.	245,034	30,888		275,922
Livingston-Mt. Olive Coal Co., No. 1	C. & E. I.	50,265	25,664		75,929
	C. C. C. & St. L.	28,497	7,158		35,655
	I. T. S.	3,299	1,048		4,347
Chicopee Coal Co., No. 1	I. C.	55,971	3,751		59,722
Collinsville Coal Corp.	I. T. S.	573			573
Bullock Mining Co.	C. C. C. & St. L.	4,888			4,888
Henrietta Coal Co., Hen.	L. & M.	2,210			2,210
Carlin Coal & Mining Co.	C. C. C. & St. L.	1,233			1,233
Madison County Coal & Mining Co., No. 4	I. T. S.	8,400			8,400
MARION COUNTY		237,350	60,635		297,985
Marion County Coal Co.	C. B. & Q.	121,733	33,624		155,357
	I. C.	77,613	13,710		91,323
Odin Coal Co.	I. C.	31,195	13,301		44,496
	B. & O.	6,809			6,809
Totals Seventh District		921,237	139,958		1,061,195
CLINTON COUNTY		42,021	352		42,373
Southern Coal, Coke & Mining Co., No. 9	Southern	31,067			31,067
Citizens Coal Co.	B. & O.	9,684	300		9,984
Beckemeyer Coal Co.	B. & O.	1,270	52		1,322

TABLE 30—Continued.

Operators.	Railroads.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.	Total tons handled by railroads.
ST. CLAIR COUNTY.....		956,508	273,083	22,933	1,252,524
St. Louis & O'Fallon Coal Co., No. 2	St. L. & O'F.....	206,422	7,955	1,149	215,526
United Electric Coal Co., No. 13.....	I. C.....	124,447	115,483		239,930
Perry Coal Co., St. Ellen.....	I. T. S.....	72,095	20,071		92,166
Southern Coal, Coke & Mining Co., No. 7.....	Southern.....	73,179	19,996		93,175
Gundlach Coal Co.....	Caseyville.....	35,143	35,217	850	71,210
Mulberry Hill Coal Co.....	I. C.....	35,758	6,878		42,636
	C. G. W.....		2,975		2,975
	M. K. & T.....		2,167		2,167
	St. L. & S. F.....		1,106		1,106
	T. R. R. A. St. L.....		774		774
	I. T. S.....		701		701
	Belt Ry.....		297		297
	A. & S.....		280		280
	M. & I.....		59		59
Perry Coal Co., Carbon.....	B. & O.....	17,857	46,214		64,071
Alcoa Ore Co.....	St. L. & O'F.....	74,982	5,418		80,400
Vinegar Hill Coal Co.....	I. C.....	75,172			75,172
Golden Rule Coal Co.....	I. C.....	59,042	4,856		63,898
Prairie Coal Co.....	I. T. S.....	9,883			9,883
Service Coal Co.....	L. & N.....	1,025			1,025
Lenzburg Coal Co.....	I. C.....	42,817	942		43,759
Guest Coal Co.....	Southern.....	10,732			10,732
White Coal Co.....	L. & N.....	3,813			3,813
Groom Coal Co.....	I. C.....	16,236		20,934	37,170
Quality Coal & Mining Co.....	St. L. B. & E.....	411			411
Okay Coal Mining Co.....	I. C.....	26,669			26,669
Power Coal Co.....	I. C.....	15,650			15,650
Eldnar Coal Co.....	L. & N.....	23,165			23,165
Jones Bros Coal & Mining Co., No. 1	I. C.....	13,276			13,276
Kolb Coal Co., No. 2.....	I. C.....	2,800			2,800
Piazza Coal Co.....	L. & N.....	1,493	245		1,738
Summit Coal & Mining Co.....	L. & N.....	8,784			8,784
Sargent Coal Co.....	B. & O.....	553			553
Gill Coal Corp.....	I. C.....	5,000			5,000
Perry Coal Co., Taylor.....	B. & O.....	104	1,449		1,553
Totals Eighth District.....		998,529	273,435	22,933	1,294,897
JACKSON COUNTY.....		786,803	532,164		1,318,967
Union Colliery Co.....	I. C.....	422,703	92,496		515,199
Truax-Traer Coal Co., No. 2.....	I. C.....	159,245	100,688		259,933
	M. P.....	55,170	104,257		159,427
Truax-Traer Coal Co., No. 1.....	I. C.....	146,685	234,723		381,408
Little Muddy Coal Co., No. 1.....	M. & O.....	3,000			3,000
PERRY COUNTY.....		1,714,152	1,226,508	25,999	2,966,659
Pyramid Coal Corp.....	I. C.....	307,562	290,727		598,289
	M. P.....	143,724	257,913		401,647
United Electric Coal Co., No. 11.....	I. C.....	297,264	161,316		458,580
	M. P.....	274,066	241,716		515,782
Crerar-Clinch Coal Co., No. 14.....	I. C.....	360,279	18,307		378,586
Coal-Stripping Co.....	M. P.....	142,381	103,973		246,354
Crerar-Clinch Coal Co., No. 15.....	I. C.....	54,681	132,464		187,145
Perfection Coal Co.....	I. C.....	94,051		22,444	116,495
Brewerton Coal Co. 45.....	I. C.....	9,379	12,887	3,555	25,821
	M. P.....	565			565
Coulterville Coal Co.....	M. I.....	6,939	1,709		8,648
	I. C.....	1,941	337		2,278
	I. T. S.....		4,390		4,390
Winkle Coal Co.....	I. C.....	15,910			15,910
Tamaroa Coal Co., No. 43.....	I. C.....	1,010			1,010
Bailey Bros.....	I. C.....	615			615
Cutler Coal & Mining Co.....	M. P.....	1,978	769		2,747
Collier Coal Co.....	I. C.....	1,797			1,797

TABLE 30—Continued.

Operators.	Railroads.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.	Total tons handled by railroads.
RANDOLPH COUNTY		25,377	155,553		180,930
Moffat Coal Co.	M. & O.	22,792	154,153		176,945
Jones Bros. Coal Mining Co., No. 2.	I. C.	2,062			2,062
Illmo Coal Co.	M. P.	523			523
	M. & I.		1,400		1,400
WASHINGTON COUNTY		194,331	73,249	28,216	295,796
Centralia Coal Co., No. 5.	C., B. & Q.	93,800	1,160		94,960
Clarkson Coal Mining Co.	I. C.	83,895	60,334		144,229
	L. & N.	16,636	11,755	28,216	56,607
Totals Ninth District		2,720,663	1,987,474	54,215	4,762,352
FRANKLIN COUNTY		4,833,878	1,832,092		6,665,970
Chicago, Wilmington & Franklin Coal Co., New Orient.	C. B. & Q.	366,179	82,734		448,913
	M. P.	223,287	89,843		313,130
	I. C.	173,664	57,687		231,351
	C. & E. I.	29,029	9,436		38,465
Bell & Zoller Coal & Mining Co., No. 2	I. C.	248,952	42,794		291,746
	C. B. & Q.	229,004	48,385		277,389
	M. P.	92,192	24,075		116,267
Valier Coal Co.	C. B. & Q.		702,587		702,587
Bell & Zoller Coal & Mining Co., No. 1	C. B. & Q.	218,856	64,100		282,956
	I. C.	165,297	34,696		199,993
	M. P.	99,777	126,752		126,529
Old Ben Coal Corp., No. 8.	C. B. & Q.	270,282	51,346		321,628
	M. P.	168,152	1,125		169,277
	I. C.	65,179	2,063		67,242
	C. & E. I.	28,885	6,284		35,169
Old Ben Coal Corp., No. 15.	C. B. & Q.	259,662	50,534		310,196
	I. C.	199,524	44,722		244,246
	C. & E. I.	20,145	4,531		24,676
Chicago, Wilmington & Franklin Coal Co., No. 1.	C. B. & Q.	179,192	40,487		219,679
	M. P.	109,267	43,965		153,232
	I. C.	84,983	28,229		113,212
	C. & E. I.	14,206	4,618		18,824
Peabody Coal Co., No. 19.	C. B. & Q.	241,205			241,205
	I. C.	105,990			105,990
	C. & E. I.	98,325			98,325
Franklin County Coal Co., No. 7.	C. B. & Q.	132,877	54,414		187,291
	I. C.	60,181	41,958		102,139
	M. P.	59,259	49,524		108,783
Peabody Coal Co., No. 18.	C. B. & Q.	113,245	70,339		183,584
	I. C.	108,641	33,750		142,391
	C. & E. I.	51,519	34,487		86,006
Franklin County Coal Co., No. 5.	C. B. & Q.	145,367	11,225		156,592
	I. C.	124,742	16,602		141,344
	M. P.	77,864	32		77,896
Old Ben Coal Corp., No. 14.	C. B. & Q.	101,142	28,174		129,316
	I. C.	30,167	5,854		36,021
	M. P.	21,263	7,186		28,449
Brewerton Coal Co., No. 21.	C. B. & Q.	35,644	3,150		38,794
	I. C.	16,825	600		17,425
	C. & E. I.	9,094	1,950		11,044
Brewerton Coal Co., No. 22.	C. B. & Q.	54,814	11,854		66,668
Totals Tenth District		4,833,878	1,832,092		6,665,970

TABLE 30—Concluded.

Operators.	Railroads.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.	Total tons handled by railroads.
SALINE COUNTY		1,926,618	308,089		2,234,707
Peabody Coal Co., No. 47	C. C. C. & St. L.	342,249	67,543		409,792
O'Gara Coal Co., No. 1	C. C. C. & St. L.	324,009	29,262		353,271
Peabody Coal Co., No. 43	C. C. C. & St. L.	284,715	43,956		328,671
Blue Bird Coal Co., No. 1	C. C. C. & St. L.	224,775			224,775
O'Gara Coal Co., No. 3	C. C. C. & St. L.	189,006	66,990		255,996
Rex Coal Co., No. 2	I. C.	245,072			245,072
Wasson Coal Co., No. 1	C. C. C. & St. L.	190,587	38,541		229,128
O'Gara Coal Co., No. 10	I. C.	97,157	45,961		143,118
	C. C. C. & St. L.	25,342	11,092		36,434
Wasson Coal Co., No. 2	C. C. C. & St. L.	3,706	4,744		8,450
WHITE COUNTY		12,473			12,473
Southern Illinois Coal Mining Co., No. 1	B. & O.	11,032			11,032
	C. C. C. & St. L.	1,441			1,441
Totals Eleventh District		1,939,091	308,089		2,247,180
WILLIAMSON COUNTY		1,237,536	467,150		1,704,686
Old Ben Coal Corp., No. 18	C. B. & Q.	184,840	52,281		237,121
	M. P.	111,027	79,821		190,848
	I. C.	76,359	61,138		137,497
	C. & E. I.	5,396	458		5,854
Consolidated Coal Co., No. 7	I. C.	128,842	29,355		158,197
	M. P.	112,123	30,225		142,348
	C. B. & Q.	96,095	13,043		109,138
Peabody Coal Co., No. 25	I. C.	170,942	29,233		200,175
Cosgrove-Meehan Coal Co., No. 1	C. B. & Q.	100,292	50,932		151,224
Freeman Coal Mining Co.	I. C.	42,044	24,958		67,002
	C. B. & Q.	38,326	14,493		52,819
Wallace Coal Co.	M. P.	78,351	19,407		97,758
Carbon Fuel Co.	C. B. & Q.	63,298			63,298
St. Louis Coal & Iron Co., No. 2	M. P.		36,960		36,960
City Lake Coal Co.	C. B. & Q.		11,082		11,082
	M. P.		4,432		4,432
Cosgrove-Meehan Coal Co., No. 3	M. P.	9,302	3,738		13,040
Puritan Coal Co., No. 1	C. B. & Q.	10,779			10,779
Carterville-Peacock Coal Co.	M. P.	2,532	5,049		7,581
W. E. Grissom Coal Co.	M. P.	3,513			3,513
Spillertown Mining Co.	C. & E. I.	300			300
Pendley & Wilkinson Coal Co., No. 2	C. B. & Q.	400			400
Carterville Coal & Mining Co.	M. P.	1,317	545		1,862
Ogmore Coal Co.	I. C.	320			320
Equality Coal Co.	C. & E. I.	238			238
Totals Twelfth District		1,237,536	467,150		1,704,686
The State		19,297,481	9,117,375	104,405	28,519,261

TABLE 31—COUNTIES AND TONNAGE HANDLED BY RAILROADS.

No.	County.	Total tons produced.	Tons shipped.	Tons sold to railroad companies.	Tons supplied locomotives.	Total tons handled by railroads.	Per cent of tonnage handled by railroads.
1	Franklin.....	7,064,359	4,833,878	1,832,092	-----	6,665,970	94.4
2	Perry.....	3,065,944	1,714,152	1,226,508	25,999	2,966,659	96.8
3	Saline.....	2,401,303	1,926,618	308,089	-----	2,234,707	93.1
4	Macoupin.....	1,930,406	494,720	1,337,946	-----	1,832,666	94.9
5	Christian.....	1,835,286	1,478,340	178,140	11,568	1,668,048	90.9
6	St. Clair.....	1,812,940	956,508	273,083	22,933	1,252,524	69.1
7	Williamson.....	1,807,728	1,237,536	467,150	-----	1,704,686	94.3
8	Vermilion.....	1,674,828	1,080,316	537,944	608	1,618,868	96.7
9	Sangamon.....	1,667,479	1,106,599	336,999	22	1,443,620	86.6
10	Jackson.....	1,336,968	786,803	532,164	-----	1,318,967	98.7
11	Fulton.....	1,116,524	589,332	495,090	-----	1,084,422	97.1
12	Will.....	976,178	649,039	277,464	-----	926,503	94.9
13	Madison.....	909,595	658,759	76,568	-----	735,327	80.8
14	Henry.....	655,055	351,880	164,157	10	516,047	78.8
15	Montgomery.....	626,674	429,234	163,150	-----	592,384	94.5
16	Peoria.....	512,250	66,159	417,461	-----	483,620	94.4
17	Marion.....	373,945	237,350	60,635	-----	297,985	79.7
18	Washington.....	333,827	194,331	73,249	28,216	295,796	88.6
19	Tazewell.....	273,664	164,892	40,061	-----	204,953	74.9
20	Knox.....	238,722	33,892	160,615	-----	194,507	81.5
21	Randolph.....	195,599	25,377	155,553	-----	180,930	92.5
22	LaSalle.....	132,155	73,567	-----	-----	73,567	55.7
23	Putnam.....	104,555	75,403	-----	1,200	76,603	73.3
24	Logan.....	94,504	24,916	-----	13,849	38,765	41.0
25	Clinton.....	92,895	42,021	352	-----	42,373	45.6
26	Woodford.....	67,387	25,534	150	-----	25,684	38.1
27	Shelby.....	37,333	2,724	-----	-----	2,724	7.2
28	Bond.....	36,549	25,128	2,755	-----	27,883	76.3
29	White.....	27,747	12,473	-----	-----	12,473	45.0
	Total.....	31,402,399	19,297,481	9,117,375	104,405	28,519,261	90.8

TABLE 32—RAILROADS HANDLING THE COAL AND THE MINES
SERVED BY EACH.

Number.	Railroads.	County.	District No.	Tons shipped.	Tons sold to railroad companies.	Tons supplied locomotives at the mines.	Total tons handled by railroads.
1	Illinois Central.....			4,942,409	1,787,512	72,350	6,802,271
1	Bailey Bros.....	Perry.....	9	615	.....	.....	615
2	Bell & Zoller Coal Mining Co., No. 1.....	Franklin.....	10	165,297	34,696	.....	199,993
3	Bell & Zoller Coal Mining Co., No. 2.....	do.....	10	243,952	42,794	.....	291,746
4	Brewerton Coal Corp., No. 21.....	do.....	10	16,825	600	.....	17,425
5	Brewerton Coal Corp., No. 45.....	Perry.....	9	9,379	12,887	3,555	25,821
6	Brewerton Coal Corp., No. 92.....	Logan.....	4	21,790	.....	13,849	35,639
7	Centralia Coal Co., No. 5.....	Washington.....	9	83,895	60,334	.....	144,229
8	Chicago, Wilmington & Franklin Coal Co., No. 1.....	Franklin.....	10	84,983	28,229	.....	113,212
9	Chicago, Wilmington & Franklin Coal Co., No. 2.....	do.....	10	173,664	57,687	.....	231,351
10	Chicopee Coal Co., No. 1.....	Madison.....	7	55,971	3,751	.....	59,722
11	Collier Coal Co.....	Perry.....	9	1,797	.....	.....	1,797
12	Consolidated Coal Co., No. 7.....	Williamson.....	12	128,842	29,355	.....	158,197
13	Coulterville Coal Co.....	Perry.....	9	1,941	337	.....	2,278
14	Crerar Clinch Coal Co., No. 14.....	do.....	9	360,279	18,307	.....	378,586
15	Crerar Clinch Coal Co., No. 15.....	do.....	9	54,681	132,464	.....	187,145
16	Franklin County Coal Co., No. 5.....	Franklin.....	10	124,742	16,602	.....	141,344
17	Franklin County Coal Co., No. 7.....	do.....	10	60,181	41,958	.....	102,139
18	Freeman Coal Mining Co.....	Williamson.....	12	42,944	24,958	.....	67,902
19	Gill Coal Corp.....	St. Clair.....	8	5,000	.....	.....	5,000
20	Groom Rule Coal Co.....	do.....	8	59,402	4,856	.....	63,898
21	Groom Coal Co.....	do.....	8	16,236	.....	20,934	37,170
22	Jones Bros. Coal Mining Co., No. 1.....	do.....	8	13,276	.....	.....	13,276
23	Jones Bros. Coal Mining Co., No. 2.....	Randolph.....	9	2,062	.....	.....	2,062
24	Kolb Coal Co., No. 2.....	St. Clair.....	8	2,800	.....	.....	2,800
25	Lenzburg Coal Co.....	do.....	8	42,817	942	.....	43,759
26	Marion County Coal Co.....	Marion.....	7	77,613	13,710	.....	91,323
27	Moweaqua Coal Corp.....	Shelby.....	6	2,724	.....	.....	2,724
28	Mulberry Hill Coal Co.....	St. Clair.....	8	35,758	6,878	.....	42,636
29	Odin Coal Co.....	Marion.....	7	31,195	13,301	.....	44,496
30	O'Gara Coal Co., No. 10.....	Saline.....	11	97,157	45,961	.....	143,118
31	Ogmore Coal Co.....	Williamson.....	12	320	.....	.....	320
32	Okay Coal & Mining Co.....	St. Clair.....	8	26,669	.....	.....	26,669
33	Old Ben Coal Corp., No. 8.....	Franklin.....	10	65,179	2,063	.....	67,242
34	Old Ben Coal Corp., No. 14.....	do.....	10	30,167	5,854	.....	36,021
35	Old Ben Coal Corp., No. 15.....	do.....	10	199,524	44,722	.....	244,246
36	Old Ben Coal Corp., No. 18.....	Williamson.....	12	76,359	61,138	.....	137,497
37	Pana Coal Co.....	Christian.....	4	18,051	1,964	11,568	31,583
38	Panther Creek Mines, No. 4.....	Sangamon.....	4	30,710	2,418	.....	33,128
39	Panther Creek Mines, No. 5.....	do.....	4	5,334	.....	.....	5,334
40	Peabody Coal Co., No. 18.....	Franklin.....	10	108,641	33,750	.....	142,391
41	Peabody Coal Co., No. 19.....	do.....	10	105,990	.....	.....	105,990
42	Peabody Coal Co., No. 25.....	Williamson.....	12	170,942	29,233	.....	200,175
43	Peabody Coal Co., No. 51.....	Sangamon.....	4	4,871	.....	.....	4,871
44	Peabody Coal Co., No. 53.....	do.....	4	463	.....	.....	463
45	Peabody Coal Co., No. 57.....	do.....	4	67,513	.....	.....	67,513
46	Penwell Coal Mining Co.....	Christian.....	4	41,678	3,326	.....	45,004
47	Perfection Coal Co.....	Perry.....	9	94,051	.....	22,444	116,495
48	Power Coal Co.....	St. Clair.....	8	15,650	.....	.....	15,650
49	Pyramid Coal Co.....	Perry.....	9	207,562	290,727	.....	598,289
50	Rex Coal Co., No. 2.....	Saline.....	11	245,072	.....	.....	245,072
51	Sangamon Coal Co., No. 2.....	Sangamon.....	4	40,690	17,004	.....	57,694
52	Sutton, W. G., No. 2.....	Woodford.....	2	22,079	.....	.....	22,079
53	Tamaroa Coal Co.....	Perry.....	9	1,010	.....	.....	1,010
54	Truax Traer Coal Co., No. 1.....	Jackson.....	9	146,685	234,723	.....	381,408
55	Truax Traer Coal Co., No. 2.....	do.....	9	159,245	100,688	.....	259,933
56	Union Colliery Co.....	do.....	9	422,703	92,436	.....	515,199
57	United Electric Coal Co., No. 1.....	Perry.....	9	297,264	161,316	.....	458,580
58	United Electric Coal Co., No. 13.....	St. Clair.....	8	124,447	115,483	.....	239,930
59	Vinegar Hill Coal Co.....	do.....	8	75,172	.....	.....	75,172
60	Winkle Coal Co.....	Perry.....	9	15,910	.....	.....	15,910

TABLE 32.—Continued.

Number.	Railroads.	County.	District No.	Tons shipped.	Tons sold to railroad companies.	Tons supplied locomotives at the mines.	Total tons handled by railroads.
2	Chicago, Burlington & Quincy.....			3,650,822	1,706,432		5,357,254
1	Bell & Zoller Coal Mining Co., No. 1.....	Franklin.....	10	218,856	64,100		282,956
2	Bell & Zoller Coal Mining Co., No. 2.....	do.....	10	229,004	48,385		277,389
3	Brewerton Coal Corp., No. 21.....	do.....	10	35,644	3,150		38,794
4	Brewerton Coal Corp., No. 22.....	do.....	10	54,814	11,854		66,668
5	Canton Coal Co.....	Fulton.....	3	58,469	116,617		175,086
6	Carbon Fuel Co.....	Williamson.....	12	63,298			63,298
7	Central West Coal Co., No. 3.....	Peoria.....	2	19,623	4,450		24,073
8	Centralia Coal Co., No. 5.....	Washington.....	9	93,800	1,160		94,960
9	Chicago, Wilmington & Franklin Coal Co., No. 1.....	Franklin.....	10	179,192	40,487		219,679
10	Chicago, Wilmington & Franklin Coal Co., No. 2.....	do.....	10	366,179	82,734		448,913
11	City Lake Coal Co.....	Williamson.....	12		11,082		11,082
12	Consolidated Coal Co., No. 7.....	do.....	12	96,095	13,043		109,138
13	Cosgrove Meehan Coal Co., No. 1.....	do.....	12	100,292	50,932		151,224
14	Franklin County Coal Co., No. 5.....	Franklin.....	10	145,367	11,225		156,592
15	Franklin County Coal Co., No. 7.....	do.....	10	132,877	54,414		187,291
16	Freeman Coal Mining Co.....	Williamson.....	12	38,326	14,493		52,819
17	Illinois Colliery Co.....	Fulton.....	3	13,482	3,670		17,152
18	Marion County Coal Co.....	Marion.....	7	121,733	33,624		155,357
19	Old Ben Coal Corp., No. 8.....	Franklin.....	10	270,282	51,346		321,628
20	Old Ben Coal Corp., No. 14.....	do.....	10	101,142	28,174		129,316
21	Old Ben Coal Corp., No. 15.....	do.....	10	259,662	50,534		310,196
22	Old Ben Coal Corp., No. 18.....	Williamson.....	12	184,840	52,281		237,121
23	Peabody Coal Co., No. 18.....	Franklin.....	10	113,245	70,339		183,584
24	Peabody Coal Co., No. 19.....	do.....	10	241,205			241,205
25	Pendley & Wilkinson Coal Co., No. 2.....	Williamson.....	12	400			400
26	Puritan Coal Co., No. 1.....	do.....	12	10,779			10,779
27	Shuler Coal Mining Co.....	Henry.....	1	26,645	3,389		30,034
28	Truax Traer Coal Co., "St. David".....	Fulton.....	3	221,109	56,701		277,810
29	United Electric Coal Co., No. 9.....	do.....	3	254,184	125,661		379,845
30	Valier Coal Co.....	Franklin.....	10		702,587		702,587
31	Virden Coal Co.....	Macoupin.....	6	278			278
3	Cleveland, Cincinnati, Chicago & St. Louis.....			1,956,112	562,712		2,518,824
1	Blue Bird Coal Co., No. 1.....	Saline.....	11	224,775			224,775
2	Bullock Mining Co.....	Madison.....	7	4,888			4,888
3	Carlin Coal & Mining Co.....	do.....	7	1,233			1,233
4	Indiana & Illinois Coal Corp., No. 10.....	Montgomery.....	6	153,021	90,801		243,822
5	Livingston & Mt. Olive Coal Co., No. 1.....	Madison.....	7	28,497	7,158		35,655
6	O'Gara Coal Co., No. 1.....	Saline.....	11	324,069	29,262		353,271
7	O'Gara Coal Co., No. 3.....	do.....	11	189,006	66,990		255,996
8	O'Gara Coal Co., No. 10.....	do.....	11	25,342	11,092		36,434
9	Pana Coal Co.....	Christian.....	4	444			444
10	Peabody Coal Co., No. 24.....	Vermilion.....	5	176,245	202,625		378,870
11	Peabody Coal Co., No. 43.....	Saline.....	11	284,715	43,956		328,671
12	Peabody Coal Co., No. 47.....	do.....	11	342,249	67,543		409,792
13	Southern Illinois Coal Mining Co., No. 1.....	White.....	11	1,441			1,441
14	Ubben Coal Co.....	Tazewell.....	2	5,954			5,954
15	Wasson Coal Co., No. 1.....	Saline.....	11	190,587	38,541		229,128
16	Wasson Coal Co., No. 2.....	do.....	11	3,706	4,744		8,450

TABLE 32—Continued.

Number.	Railroads.	County.	District No.	Tons shipped.	Tons sold to railroad companies.	Tons supplied locomotives at the mines.	Total tons handled by railroads.
4	Missouri Pacific.....	-----	--	1,787,643	1,131,307	-----	2,918,950
1	Bell & Zoller Coal Mining Co., No. 1	Franklin.....	10	99,777	26,752	-----	126,529
2	Bell & Zoller Coal Mining Co., No. 2	do.....	10	92,192	24,075	-----	116,267
3	Brewerton Coal Corp., No. 45	Perry.....	9	565	-----	-----	565
4	Carterville Coal & Mining Co.	Williamson.....	12	1,317	545	-----	1,862
5	Carterville Peacock Coal Co.	do.....	12	2,532	5,049	-----	7,581
6	Chicago, Wilmington & Franklin Coal Co., No. 1	Franklin.....	10	109,267	43,965	-----	153,232
7	Chicago, Wilmington & Franklin Coal Co., No. 2	do.....	10	223,287	89,843	-----	313,130
8	City Lake Coal Co.	Williamson.....	12	-----	4,432	-----	4,432
9	Coal Stripping Co.	Perry.....	9	142,381	103,973	-----	246,354
10	Consolidated Coal Co., No. 7	Williamson.....	12	112,123	30,225	-----	142,348
11	Cosgrove Meehan Coal Co., No. 3	do.....	12	9,302	3,738	-----	13,040
12	Cutler Coal & Mining Co.	Perry.....	9	1,978	769	-----	2,747
13	Franklin County Coal Co., No. 5	Franklin.....	10	77,864	32	-----	77,896
14	Franklin County Coal Co., No. 7	do.....	10	59,259	49,524	-----	108,783
15	W. E. Grissom Coal Co.	Williamson.....	12	3,513	-----	-----	3,513
16	Illmo Coal Co.	Randolph.....	9	523	-----	-----	523
17	Old Ben Coal Corp., No. 8	Franklin.....	10	168,152	1,125	-----	169,277
18	Old Ben Coal Corp., No. 14	do.....	10	21,263	7,186	-----	28,449
19	Old Ben Coal Corp., No. 18	Williamson.....	12	111,027	79,821	-----	190,848
20	Pyramid Coal Corp.	Perry.....	9	143,734	257,913	-----	401,647
21	St. Louis Coal & Iron Co., No. 2	Williamson.....	12	-----	36,960	-----	36,960
22	Truax Traer Coal Co., No. 2	Jackson.....	9	55,170	104,257	-----	159,427
23	United Electric Coal Co., No. 11	Perry.....	9	274,066	241,716	-----	515,782
24	Wallace Coal Co.	Williamson.....	12	78,351	19,407	-----	97,758
5	Chicago & Illinois Midland.....	-----	--	1,527,980	48,641	-----	1,576,621
1	Panther Creek Mines, No. 4	Sangamon.....	4	5,642	-----	-----	5,642
2	Panther Creek Mines, No. 5	do.....	4	2,985	-----	-----	2,985
3	Peabody Coal Co., No. 7	Christian.....	4	409,018	16,878	-----	425,896
4	Peabody Coal Co., No. 8	do.....	4	286,102	2,700	-----	288,802
5	Peabody Coal Co., No. 9	do.....	4	543,478	16,182	-----	559,660
6	Peabody Coal Co., No. 51	Sangamon.....	4	95,557	12,786	-----	108,343
7	Peabody Coal Co., No. 53	do.....	4	36,561	-----	-----	36,561
8	Peabody Coal Co., No. 58	Christian.....	4	148,637	95	-----	148,732
6	Chicago & Eastern Illinois.....	-----	--	1,025,423	309,036	608	1,335,067
1	Brewerton Coal Corp., No. 21	Franklin.....	10	9,094	1,950	-----	11,044
2	Chicago, Wilmington & Franklin Coal Co., No. 1	do.....	10	14,206	4,618	-----	18,824
3	Chicago, Wilmington & Franklin Coal Co., No. 2	do.....	10	29,029	9,436	-----	38,465
4	Equality Coal Co.	Williamson.....	12	238	-----	-----	238
5	Hillsboro Coal Co.	Montgomery.....	6	7,877	1,388	-----	9,265
6	Indiana & Illinois Coal Corp., No. 10	do.....	6	28,277	34,673	-----	62,950
7	Livingston & Mt. Olive Coal Co., No. 1	Madison.....	7	50,265	25,664	-----	75,929
8	Old Ben Coal Corp., No. 8	Franklin.....	10	28,885	6,284	-----	35,169
9	Old Ben Coal Corp., No. 15	do.....	10	20,145	4,531	-----	24,676
10	Old Ben Coal Corp., No. 18	Williamson.....	12	5,396	458	-----	5,854
11	Pana Coal Co.	Christian.....	4	286	-----	-----	286
12	Peabody Coal Co., No. 18	Franklin.....	10	51,519	34,487	-----	86,006
13	Peabody Coal Co., No. 19	do.....	10	98,325	-----	-----	98,325
14	Peabody Coal Co., No. 24	Vermilion.....	5	159,177	-----	-----	159,177
15	Spillertown Mining Co.	Williamson.....	12	300	-----	-----	300
16	U. S. Fuel Co., Bun.	Vermilion.....	5	397,668	138,035	279	535,982
17	U. S. Fuel Co., Verm.	do.....	5	124,736	47,512	329	172,577

TABLE 32—Continued.

Number.	Railroads.	County.	District No.	Tons shipped.	Tons sold to railroad companies.	Tons supplied locomotives at the mines.	Total tons handled by railroads.
7	Chicago & Alton.....			917,597	250,611		1,168,208
1	Brewerton Coal Coal Corp., No. 92.....	Logan.....	4	3,126			3,126
2	Mine B Coal Co., B.....	Sangamon.....	4	61,936	19,600		81,536
3	Northern Illinois Coal Corp., No. 10.....	Will.....	1	649,039	100,993		750,032
4	Panther Creek Mines, No. 1.....	Sangamon.....	4	49,278	56,772		106,050
5	Panther Creek Mines, No. 4.....	do.....	4	56,716	22,865		79,581
6	Panther Creek Mines, No. 5.....	do.....	4	27,391	32,135		59,526
7	Peabody Coal Co., No. 51.....	do.....	4	18,850	448		19,298
8	Peabody Coal Co., No. 53.....	do.....	4	1,119			1,119
9	Sangamon Coal Co., No. 2.....	do.....	4	49,731	17,798		67,529
10	Viriden Coal Co.....	Macoupin.....	6	411			411
8	Wabash.....			508,866	414,252		923,118
1	Consolidated Coal Co., No. 15.....	Macoupin.....	6	295,953	153,200		449,153
2	Mine B Coal Co., B.....	Sangamon.....	4	49,865	31,408		81,273
3	Panther Creek Mines, No. 4.....	do.....	4	20,284	1,070		21,354
4	Panther Creek Mines, No. 5.....	do.....	4	3,090			3,090
5	Peabody Coal Co., No. 51.....	do.....	4	8,742			8,742
6	Peabody Coal Co., No. 52.....	do.....	4	53,132	55,258		108,390
7	Peabody Coal Co., No. 53.....	do.....	4	38,321	18,733		57,054
8	Peabody Coal Co., No. 58.....	Christian.....	4	29,636	126,604		156,240
9	Sangamon Coal Co., No. 2.....	Sangamon.....	4	5,235	1,819		7,054
10	Tilton Mining Co.....	Vermilion.....	5	4,608	26,160		30,768
9	Illinois Traction System.....			484,562	29,768		514,330
1	Collinsville Coal Corp.....	Madison.....	7	573			573
2	Coulterville Coal Co.....	Perry.....	9		4,390		4,390
3	Gillespie Coal Co.....	Macoupin.....	6	194,976			194,976
4	Livingston & Mt. Olive Coal Co., No. 1.....	Madison.....	7	3,299	1,048		4,347
5	Madison County Coal & Mining Co., No. 4.....	do.....	7	8,400			8,400
6	Mulberry Hill Coal Co.....	St. Clair.....	8		701		701
7	Panther Creek Mines, No. 4.....	Sangamon.....	4	4,770			4,770
8	Panther Creek Mines, No. 5.....	do.....	4	768			768
9	Peabody Coal Co., No. 51.....	do.....	4	5,369			5,369
10	Peabody Coal Co., No. 53.....	do.....	4	358			358
11	Peabody Coal Co., No. 57.....	do.....	4	14,687			14,687
12	Perry Coal Co., St. Ellen.....	St. Clair.....	8	72,095	20,071		92,166
13	Prairie Coal Co.....	do.....	8	9,883			9,883
14	Sangamon Coal Co., No. 2.....	Sangamon.....	4		2,429		2,429
15	South Mine Coal Co.....	Macoupin.....	6	1,891			1,891
16	United Electric Coal Co., No. 1.....	Vermilion.....	5	123,165			123,165
17	United Electric Coal Co., No. 2.....	do.....	5	44,328	1,129		45,457
10	Chicago, Rock Island & Pacific.....			398,802	545,376	10	944,188
1	Crescent Mining Co., No. 1.....	Peoria.....	2		6,083		6,083
2	Crescent Mining Co., No. 6.....	do.....	2		330,056		330,056
3	Midland Electric Coal Corp.....	Henry.....	1	325,235	160,768	10	486,013
4	Peabody Coal Co., No. 58.....	Christian.....	4		4,757		4,757
5	Truax Traer Coal Co., St. David.....	Fulton.....	3		43,712		43,712
6	Union Coal Co.....	LaSalle.....	1	73,567			73,567
11	St. Louis & O'Fallon.....			281,404	13,373	1,149	295,926
1	Alcoa Ore Co.....	St. Clair.....	8	74,982	5,418		80,400
2	St. Louis & O'Fallon Coal Co., No. 2.....	do.....	8	206,422	7,955	1,149	215,526
12	Pennsylvania.....			270,162	33,643		303,805
1	Illinois Pocahontas Coal Co.....	Bond.....	7	25,128	2,755		27,883
2	Lumaghi Coal Co., No. 2.....	Madison.....	7	245,034	30,888		275,922

TABLE 32—Continued.

Number.	Railroads.	County.	District No.	Tons shipped.	Tons sold to railroad companies.	Tons supplied locomotives at the mines.	Total tons handled by railroads.
13	Litchfield & Madison.....			260,599	8,059		268,658
	1 Henrietta Coal Co. Hen.....	Madison.....	7	2,210			2,210
	2 Mt. Olive & Staunton Coal Co., No. 2.....	do.....	7	258,389	8,059		266,448
14	Peoria & Pekin Union.....			158,938	40,066		199,004
	1 Crescent Mining Co., No. 1.....	Peoria.....	2		439		439
	2 Crescent Mining Co., No. 6.....	do.....	2		22,430		22,430
	3 Lake Erie Mining Co.....	Tazewell.....	2	158,938	13,356		172,294
	4 Truax Traer Coal Co., St. David.....	Fulton.....	3		3,841		3,841
15	Springfield Terminal.....			153,858		22	153,880
	1 Peabody Coal Co., No. 59.....	Sangamon.....	4	153,858		22	153,880
16	Chicago, Springfield & St. Louis.....			143,533	42,767		186,300
	1 Central Illinois Coal Mining Co., A.....	Sangamon.....	4	120,783	35,764		156,547
	2 Mine B Coal Co., B.....	do.....	4	17,908	5,400		23,308
	3 Panther Creek Mines, No. 4.....	do.....	4	2,661	1,603		4,264
	4 Panther Creek Mines, No. 5.....	do.....	4	249			249
	5 Peabody Coal Co., No. 51.....	do.....	4	1,932			1,932
17	Toledo, St. Louis & Western.....			140,044			140,044
	1 Cosgrove Meehan Coal Co., No. 5.....	Montgomery.....	6	140,044			140,044
18	Southern.....			114,978	19,996		134,974
	1 Guest Coal Co.....	St. Clair.....	8	10,732			10,732
	2 Southern Coal, Coke & Mining Co., No. 7.....	do.....	8	73,179	19,996		93,175
	3 Southern Coal, Coke & Mining Co., No. 9.....	Clinton.....	8	31,067			31,067
19	New York Central.....			110,891	36,288		147,179
	1 Hillsboro Coal Co.....	Montgomery.....	6	100,015	36,288		136,303
	2 Prairie State Coal Co.....	Putnam.....	1	10,876			10,876
20	Baltimore & Ohio.....			97,559	53,779		151,338
	1 Beckemeyer Coal Co.....	Clinton.....	8	1,270	52		1,322
	2 Citizens Coal Co.....	do.....	8	9,684	300		9,984
	3 Northern Illinois Coal Corp., No. 10.....	Will.....	1		5,764		5,764
	4 Odin Coal Co.....	Marion.....	7	6,809			6,809
	5 Pana Coal Co.....	Christian.....	4	1,010			1,010
	6 Panther Creek Mines, No. 4.....	Sangamon.....	4	16,320			16,320
	7 Panther Creek Mines, No. 5.....	do.....	4	1,272			1,272
	8 Peabody Coal Co., No. 51.....	do.....	4	1,985			1,985
	9 Peabody Coal Co., No. 53.....	do.....	4	99			99
	10 Peabody Coal Co., No. 57.....	do.....	4	29,564			29,564
	11 Perry Coal Co., Carbon.....	St. Clair.....	8	17,857	46,214		64,071
	12 Perry Coal Co., Taylor.....	do.....	8	104	1,449		1,553
	13 Sargent Coal Co.....	do.....	8	553			553
	14 Southern Illinois Coal Mining Co., No. 1.....	White.....	11	11,032			11,032
21	Louisville & Nashville.....			54,916	12,000	28,216	95,132
	1 Clarkson Coal Mining Co.....	Washington.....	9	16,636	11,755	28,216	56,607
	2 Eldnar Coal Co.....	St. Clair.....	8	23,165			23,165
	3 Piazza Coal Co.....	do.....	8	1,493	245		1,738
	4 Service Coal Co.....	do.....	8	1,025			1,025
	5 Summit Coal & Mining Co.....	do.....	8	8,784			8,784
	6 White Coal Co.....	do.....	8	3,813			3,813

TABLE 32—Continued.

Number.	Railroads.	County.	District No.	Tons shipped.	Tons sold to railroad companies.	Tons supplied locomotives at the mines.	Total tons handled by railroads.
22	Rock Island & Northern.....	-----	-----	51,451	-----	1,200	52,651
	1 Prairie State Coal Co.....	Putnam.....	1	51,451	-----	1,200	52,651
23	Peoria & Eastern.....	-----	-----	50,389	122,483	-----	172,872
	1 United Electric Coal Co., No. 1.....	Vermilion.....	5	50,389	122,483	-----	172,872
24	Peoria Terminal.....	-----	-----	46,536	1,906	-----	48,442
	1 Crescent Mining Co., No. 1.....	Peoria.....	2	-----	340	-----	340
	2 Crescent Mining Co., No. 6.....	do.....	2	46,536	1,566	-----	48,102
25	Minneapolis & St. Louis.....	-----	-----	42,088	199,232	-----	241,320
	1 Dorthel Coal Co., No. 1.....	Peoria.....	2	-----	52,097	-----	52,097
	2 Dorthel Coal Co., No. 2.....	Fulton.....	3	40,346	124,524	-----	164,870
	3 Dorthel Coal Co., No. 3.....	do.....	3	1,742	2,088	-----	3,830
	4 Lake Erie Mining Co.....	Tazewell.....	2	-----	13,371	-----	13,371
	5 Truax Traer Coal Co., St. David.....	Fulton.....	3	-----	7,152	-----	7,152
26	Athlison, Topeka & Santa Fe.....	-----	-----	37,347	314,472	-----	351,819
	1 Galesburg Mining Co.....	Knox.....	3	33,892	160,615	-----	194,507
	2 Northern Illinois Coal Corp., No. 10.....	Will.....	1	-----	151,683	-----	151,683
	3 Roanoke Coal & Tile Co., No. 1.....	Woodford.....	2	3,224	150	-----	3,374
	4 W. G. Sutton, No. 2.....	do.....	2	231	-----	-----	231
	5 Truax Traer Coal Co., St. David.....	Fulton.....	3	-----	2,024	-----	2,024
27	Caseyville.....	-----	-----	35,143	35,217	850	71,210
	1 Gundlach Coal Co.....	St. Clair.....	8	35,143	35,217	850	71,210
28	Mobile & Ohio.....	-----	-----	25,792	154,153	-----	179,945
	1 Little Muddy Coal Co., No. 1.....	Jackson.....	9	3,000	-----	-----	3,000
	2 Moffat Coal Co.....	Randolph.....	9	22,792	154,153	-----	176,945
29	Chicago, Milwaukee, St. Paul & Pacific.....	-----	-----	13,076	-----	-----	13,076
	1 Prairie State Coal Co.....	Putnam.....	1	13,076	-----	-----	13,076
30	Missouri & Illinois.....	-----	-----	6,939	3,168	-----	10,107
	1 Coulterville Coal Co.....	Perry.....	9	6,939	1,709	-----	8,648
	2 Illmo Coal Co.....	Randolph.....	9	-----	1,400	-----	1,400
	3 Mulberry Hill Coal Co.....	St. Clair.....	8	-----	59	-----	59
31	Chicago & Northwestern.....	-----	-----	1,211	1,190,380	-----	1,191,591
	1 Peabody Coal Co., No. 7.....	Christian.....	4	-----	1,657	-----	1,657
	2 Peabody Coal Co., No. 9.....	do.....	4	-----	2,734	-----	2,734
	3 Peabody Coal Co., No. 58.....	do.....	4	-----	1,243	-----	1,243
	4 Superior Coal Co., No. 1.....	Macoupin.....	6	-----	277,914	-----	277,914
	5 Superior Coal Co., No. 2.....	do.....	6	-----	320,815	-----	320,815
	6 Superior Coal Co., No. 3.....	do.....	6	-----	343,949	-----	343,949
	7 Superior Coal Co., No. 4.....	do.....	6	-----	242,068	-----	242,068
	8 Virden Coal Co.....	do.....	6	1,211	-----	-----	1,211
32	St. Louis & Belleville.....	-----	-----	411	-----	-----	411
	1 Quality Coal & Mining Co.....	St. Clair.....	8	411	-----	-----	411
33	Belt.....	-----	-----	-----	17,595	-----	17,595
	1 Mulberry Hill Coal Co.....	St. Clair.....	8	-----	297	-----	297
	2 Northern Illinois Coal Corp., No. 10.....	Will.....	1	-----	11,545	-----	11,545
	3 Truax Traer Coal Co., St. David.....	Fulton.....	3	-----	5,753	-----	5,753

TABLE 32—Concluded.

Number.	Railroads.	County.	District No.	Tons shipped.	Tons sold to railroad companies.	Tons supplied locomotives at the mines.	Total tons handled by railroads.
34	Toledo, Peoria & Western.....				13,334		13,334
	1 Lake Erie Mining Co.....	Tazewell.....	2		13,334		13,334
35	Elgin, Joliet & Eastern.....				7,479		7,479
	1 Northern Illinois Coal Corp., No. 10	Will.....	1		7,479		7,479
36	Chicago & Great Western.....				4,664		4,664
	1 Mulberry Hill Coal Co.....	St. Clair.....	8		2,975		2,975
	2 Sangamon Coal Co., No. 2.....	Sangamon.....	4		1,689		1,689
37	Minn. Tfr.....				3,347		3,347
	1 Truax Traer Coal Co., St. David..	Fulton.....	3		3,347		3,347
38	Missouri, Kansas & Texas.....				2,167		2,167
	1 Mulberry Hill Coal Co.....	St. Clair.....	8		2,167		2,167
39	St. Louis & San Francisco.....				1,106		1,106
	1 Mulberry Hill Coal Co.....	St. Clair.....	8		1,106		1,106
40	Terminal Railroad Assn. of St. Louis.....				774		774
	1 Mulberry Hill Coal Co.....	St. Clair.....	8		774		774
41	Alton & Southern.....				280		280
	1 Mulberry Hill Coal Co.....	St. Clair.....	8		280		280
	The State.....			19,297,481	9,117,375	104,405	28,519,261

TABLE 33—TONS MINED AND TONS HANDLED BY RAILROADS IN SHIPPING MINES, FROM 1902 TO 1932, INCLUSIVE, ARRANGED BY COUNTIES.

Number.	County.	Total tons produced.	Tons shipped to market.	Tons sold to railroad companies.	Tons supplied to locomotives.	Total tons handled by railroads.	Per cent of product handled by railroads.
1	Bond.....	5,166,874	3,943,168	799,475	463	4,743,106	91.8
2	Bureau.....	31,525,749	21,819,621	6,700,965	629,464	29,150,050	92.5
3	Christian.....	73,375,576	52,817,181	13,552,354	1,648,084	68,017,619	92.7
4	Clinton.....	28,515,320	22,281,745	2,922,743	1,272,081	26,476,569	92.9
5	Franklin.....	241,096,205	188,309,454	41,466,280	26,722	229,802,456	95.3
6	Fulton.....	55,532,264	40,079,030	13,102,216	475,923	53,657,169	96.6
7	Grundy.....	18,307,165	15,699,831	1,219,108	2,995	16,921,934	92.4
8	Henry.....	3,060,708	1,915,443	562,097	210	2,477,750	81.1
9	Jackson.....	31,663,122	25,681,573	2,994,248	865,783	29,541,604	93.3
10	La Salle.....	28,082,453	20,396,883	1,583,906	1,406,950	23,387,739	83.3
11	Logan.....	10,276,947	6,734,246	459,188	672,482	7,865,916	76.5
12	Macon.....	5,981,827	1,853,581	3,333	22,666	1,879,580	31.4
13	Macoupin.....	149,961,936	69,188,880	72,590,361	1,161,499	142,940,740	95.3
14	Madison.....	100,819,716	82,492,559	12,373,170	330,123	95,195,852	94.4
15	Marion.....	26,274,351	19,016,985	3,296,777	1,662,541	23,976,303	91.3
16	Montgomery.....	60,745,740	41,309,332	16,593,167	92,515	57,995,014	95.5
17	Peoria.....	30,159,965	19,972,400	9,348,996	119,254	29,440,650	97.6
18	Perry.....	64,098,936	47,150,132	10,649,701	2,415,953	60,215,786	93.9
19	Putnam.....	9,702,353	5,752,874	3,332,134	61,615	9,146,623	94.3
20	Randolph.....	27,473,756	16,807,219	9,640,793	21,200	26,469,212	96.3
21	Saline.....	104,416,266	86,441,513	13,689,790	328,506	100,459,809	96.2
22	Sangamon.....	160,836,542	115,383,204	33,238,978	1,198,219	149,820,401	93.2
23	Shelby.....	2,927,737	2,127,663	26,558	94,602	2,248,823	76.8
24	St. Clair.....	123,420,985	98,904,957	13,467,415	2,367,509	114,739,881	93.0
25	Tazewell.....	10,743,328	4,714,603	4,508,884	91,219	9,314,706	86.7
26	Vermilion.....	87,220,748	65,964,458	17,992,618	334,009	84,291,085	96.6
27	Washington.....	10,553,589	4,012,217	4,872,282	695,242	9,579,741	90.8
28	White.....	1,498,131	1,021,458	147,963	67,342	1,236,763	82.6
29	Will.....	5,837,726	4,626,886	831,457	-----	5,458,343	93.5
30	Williamson.....	204,537,559	149,586,559	44,951,736	173,337	194,711,632	95.2
31	Woodford.....	3,960,110	2,567,433	458,370	166,078	3,191,881	80.6
32	Other counties.....	34,139,949	23,173,160	4,711,416	238,938	28,123,514	82.4
Total.....		1,751,913,633	1,261,746,248	362,088,479	18,643,524	1,642,478,251	93.8

TABLE 34—RAILROADS THAT HAVE HANDLED THE COAL PRODUCED IN SHIPPING MINES, ARRANGED BY RANK IN THE ORDER OF TONS HANDLED, AND THE PER CENT OF THE WHOLE THAT WENT TO EACH ROAD, FROM 1902 TO 1932.

Number.	Railroads.	Total tons handled.	Tons shipped to market.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.	Percent handled by each road.
1	Illinois Central.....	317,894,170	254,626,691	54,902,861	8,364,618	19.3
2	Chicago, Burlington & Quincy.....	255,456,399	201,661,420	53,310,756	484,223	15.5
3	Cleveland, Cincinnati, Chicago & St. Louis.....	148,105,704	118,602,073	28,612,432	881,199	9.0
4	Chicago & Eastern Illinois.....	120,720,565	107,422,149	13,136,768	161,648	7.0
5	Missouri Pacific.....	88,499,612	61,760,760	26,524,825	214,027	5.4
6	Chicago & Alton.....	87,931,412	70,071,183	17,518,087	342,142	5.3
7	Wabash.....	87,085,249	60,056,067	25,860,389	1,168,793	5.3
8	Chicago & Northwestern.....	77,483,593	20,794,967	56,388,547	300,079	4.7
9	Baltimore & Ohio.....	40,325,585	32,183,188	6,456,616	1,685,782	2.5
10	Illinois Terminal.....	39,723,729	36,259,902	3,345,237	118,590	2.4
11	Litchfield & Madison.....	37,662,430	36,957,631	578,960	125,839	2.3
12	Chicago & Illinois Midland.....	33,197,041	30,555,913	2,461,846	179,282	2.0
13	Southern.....	26,438,674	22,030,561	4,304,300	103,813	1.6
14	Elgin, Joliet & Eastern.....	25,943,491	21,919,472	4,019,913	4,106	1.6
15	Pennsylvania Lines.....	25,753,521	22,102,763	3,583,313	67,445	1.6
16	Mobile & Ohio.....	22,976,654	14,149,588	8,457,074	369,992	1.4
17	Louisville & Nashville.....	21,444,172	17,633,521	1,884,271	1,926,380	1.3
18	St. Louis & O'Fallon.....	20,894,670	18,498,915	2,264,484	131,271	1.3
19	Chicago, Milwaukee, St. Paul & Pacific.....	19,647,420	12,638,470	6,623,802	385,148	1.2
20	Chicago, Springfield & St. Louis.....	18,367,034	16,588,010	1,420,834	358,190	1.2
21	Minneapolis & St. Louis.....	17,207,434	12,640,975	4,370,554	195,905	1.0
22	Atchison, Topeka & Santa Fe.....	13,187,741	6,939,255	5,197,656	1,050,830	0.8
23	Toledo, St. Louis & Western.....	13,138,163	8,981,306	4,146,339	10,518	0.8
24	Chicago, Rock Island & Pacific.....	12,804,037	9,590,564	2,366,800	846,673	0.8
25	Peoria & Pekin Union.....	11,018,040	6,287,553	4,642,816	87,671	0.7
26	Toledo, Peoria & Western.....	6,796,026	5,762,553	552,377	481,096	0.4
27	St. Louis & Belleville.....	6,676,980	6,126,748	549,150	1,082	0.4
28	Missouri & Illinois.....	6,396,905	4,655,439	1,624,619	116,847	0.4
29	New York Central.....	3,101,459	1,927,275	1,142,425	31,759	0.2
30	Chicago & Great Western.....	2,959,963	162,927	2,797,036	.....	0.2
31	Rock Island & Southern.....	2,467,692	1,903,325	541,793	22,574	0.2
32	Peoria & Eastern.....	1,517,144	603,684	886,614	26,846	0.1
33	Other roads, including boats.....	32,300,112	20,651,988	11,594,987	53,137	2.1
	Total.....	1,645,122,821	1,262,746,836	362,068,481	20,307,504	100.0

TABLE 35—METHODS OF MINING—NUMBER OF MINES, MACHINES AND TONS IN EACH METHOD—SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE.

District.	Machine exclusively.			Hand exclusively		Hand and machine.			Strip mines.	
	Mines.	Machines.	Tons	Mines.	Tons	Mines.	Machines.	Tons	Mines.	Tons
First.....	1	5	132,155	2	142,709				2	1,593,079
Second.....	6	49	785,914	2	67,387					
Third.....	1	14	177,240			4	28	433,670	2	744,336
Fourth.....	8	111	2,247,281	8	1,161,015	2	2	188,973		
Fifth.....	1	33	180,086			3	48	1,134,850	2	359,892
Sixth.....	11	69	2,287,004			1	12	307,409		
Seventh.....	9	65	1,217,132	1	26,624	2	4	76,333		
Eighth.....	9	55	888,009	16	674,634	4	6	95,661	1	247,531
Ninth.....	6	55	1,075,069	7	51,565	2	34	417,168	7	3,388,536
Tenth.....	14	299	7,064,359							
Eleventh.....	8	185	2,115,978	1	27,747				1	285,325
Twelfth.....	7	49	1,429,372	6	36,405	3	21	332,422	2	9,529
Total.....	81	989	19,599,599	43	2,188,086	21	155	2,986,486	17	6,628,228
Local mines.....	51	82	891,394	819	1,553,150	17	20	145,114	44	128,729
All mines.....	132	1,071	20,490,993	862	3,741,236	38	175	3,131,600	61	6,756,957

TABLE 36—UNDERGROUND HAULAGE IN SHIPPING MINES AND TONS MINED IN STRIP MINES—BY DISTRICTS.

District.	Motors only.			Mules only.			Motors and mules.				Strip mines.	
	Number of—			Number of—			Number of—				Number of—	
	Mines.	Motors.	Tons hauled.	Mines.	Mules.	Tons hauled.	Mines.	Motors.	Mules.	Tons hauled.	Mines.	Tons Mined.
First.....				2	48	142,709	1	1	30	132,155	2	1,593,079
Second.....							8	20	128	853,301		
Third.....				1	8	24,368	4	15	86	586,542	2	744,336
Fourth.....	2	40	658,928				16	108	277	2,938,341		
Fifth.....				1	3	40,185	3	41	69	1,274,751	2	359,892
Sixth.....	1	19	307,409	1	4	6,305	10	113	70	2,280,699		
Seventh.....				4	19	127,319	7	35	90	1,192,770		
Eighth.....	1	3	42,541	2	7	20,974	27	52	186	1,564,789	1	247,531
Ninth.....	1	29	530,612	3	5	14,007	11	41	91	999,183	7	3,388,536
Tenth.....	12	370	6,221,762				2	10	76	842,597		
Eleventh.....	3	45	694,801				6	95	133	1,448,924	1	285,325
Twelfth.....	3	54	1,093,508	7	22	41,236	6	26	66	663,475	2	9,529
Total.....	23	560	9,549,561	21	116	417,083	101	557	1,302	14,807,527	17	6,628,228

TABLE 37.—NUMBER OF MINES OPERATED AND TOTAL TONS MINED; STRIP MINES AND OUTPUT; NUMBER OF MINES USING MACHINES, NUMBER USED AND TONNAGE UNDERCUT; NUMBER OF MINES USING MOTORS FOR UNDERGROUND HAULAGE, NUMBER OF MOTORS USED AND TONS HAULED; ALSO THE PERCENTAGE OF EACH CLASS, BY YEARS—1907-1932

Year.	Mines operated.	Total tons mined.	Mined in strip mines.		Percent of strip mines.	Percent of tons in strip mines.	Machine mining.			Percent of mines using machines.	Percent of tons undercut.	Motor haulage.			Percent of—	
			Mines.	Tons mined.			Mines using machines.	Number of machines used.	Tons undercut.			Mines using.	Motors used.	Tons hauled.	Mines using.	Tons hauled.
1907	411	46,436,839					101	1,105,14,490,454	24.6	31.2	75	129,16,542,575		18.3	35.6	
1908	407	47,809,730					105	1,160,15,210,443	25.7	31.8	88	185,19,024,665		21.6	38.8	
1909	384	47,958,562					107	1,246,16,407,692	29.2	34.2	96	210,21,892,462		25.0	43.6	
1910	390	47,225,201					114	1,289,18,176,254	29.2	38.5	106	229,23,204,480		27.2	49.1	
1911	387	48,758,657		45,153	.3	1.1	126	1,430,19,998,259	32.6	41.0	137	316,29,310,173		35.3	60.2	
1912	380	56,096,695	5	53,762	1.3	1.1	129	1,581,25,550,059	34.4	45.5	165	381,37,958,050	44.0	67.7	76.5	
1913	371	60,515,416	4	117,790	1.1	2.2	140	1,689,30,228,520	38.1	50.0	185	466,46,194,737	50.4	76.5	80.2	
1914	340	59,379,182	4	181,520	1.2	3.3	141	1,828,31,446,823	41.2	53.1	191	540,47,485,729	56.8	80.2	84.4	
1915	280	56,172,556	2	195,486	.7	3.6	131	1,686,34,057,426	47.1	60.8	173	604,47,239,554	62.2	84.4	85.8	
1916	284	62,283,236	3	344,372	1.1	6.0	139	1,817,39,312,376	49.4	63.5	176	648,53,140,005	62.6	85.8	88.4	
1917	324	77,412,054	5	419,475	1.5	6.6	151	1,920,47,232,880	47.3	61.3	200	744,67,196,786	65.6	87.3	90.9	
1918	370	88,306,228	4	498,347	1.1	8.5	174	2,054,50,027,491	53.8	57.0	240	960,77,662,619	70.0	90.9	92.2	
1919	373	73,751,721	3	393,894	.8	5.8	199	2,124,42,933,172	53.8	58.6	259	1,114,66,686,930	74.6	92.2	91.6	
1920	373	72,409,610	3	367,009	.8	6.1	208	2,330,45,130,629	56.2	62.6	276	1,228,66,441,191	70.0	90.4	97.7	
1921	380	78,339,082	3	437,006	.8	6.9	235	2,760,50,243,470	60.9	64.3	280	1,406,71,329,567	72.5	91.6	97.7	
1922	352	61,406,093	5	533,923	1.4	9.6	205	2,762,41,168,621	59.1	69.3	242	1,364,55,028,080	70.0	90.4	97.7	
1923	374	73,410,837	6	895,608	1.6	11.4	241	3,049,51,057,868	65.5	70.4	285	1,547,70,863,815	77.4	95.3	96.7	
1924	329	70,324,363	11	1,184,288	3.3	1.7	215	3,033,50,064,304	67.6	72.5	259	1,565,65,900,698	82.7	95.3	96.7	
1925*	255	100,012,299	18	4,722,597	7.1	4.7	165	2,540,74,826,357	69.6	78.5	195	1,380,62,185,121	82.3	96.7	97.4	
1926	244	67,836,441	16	3,482,611	6.6	5.1	149	2,259,50,736,084	65.4	78.8	182	1,288,61,486,775	80.0	95.5	97.4	
1927	241	44,926,433	15	2,756,410	6.2	6.1	151	2,397,32,681,281	66.8	77.5	180	1,250,40,144,446	80.0	95.2	97.4	
1928	206	54,284,184	14	4,113,908	6.8	7.6	139	2,158,41,499,267	72.4	82.7	158	1,182,49,007,549	82.3	97.4	97.4	
1929	200	59,075,995	17	5,250,501	8.5	8.9	139	1,989,45,907,457	76.0	85.3	156	1,281,52,426,315	85.2	97.4	97.4	
1930	185	51,996,608	15	6,220,336	8.1	12.0	129	1,606,40,915,407	75.9	87.2	133	1,201,41,181,378	78.2	97.1	97.1	
1931	167	43,073,058	16	6,548,798	9.6	15.2	111	1,385,32,587,944	73.5	89.2	123	1,205,35,450,159	81.4	97.1	97.1	
1932	162	31,402,399	17	6,628,228	10.5	21.1	102	1,144,22,165,199	70.3	89.5	124	1,117,24,357,088	85.5	98.3	98.3	

* From July 1, 1924 to December 31, 1925. Prior to 1925 figures are for fiscal year.

TABLE 38—EXPLOSIVES USED FOR BLASTING COAL FROM THE SOLID IN SHIPPING MINES, BY DISTRICTS.

District.	Powder.			Permissibles.			Pellet powder.		
	Kegs.	Tons blasted.	Average tons per keg.	Pounds.	Tons blasted.	Average tons per pound.	Pounds.	Tons blasted.	Average tons per pound.
First.....	2,729	38,154	13.0	-----	-----	-----	-----	-----	-----
Third.....	3,703	59,253	16.0	-----	-----	-----	-----	-----	-----
Fourth.....	52,288	887,464	17.0	6,700	34,000	5.1	345,025	353,910	1.0
Fifth.....	929	18,696	20.1	-----	-----	-----	-----	-----	-----
Sixth.....	76	7,600	100.0	-----	-----	-----	-----	-----	-----
Seventh.....	1,068	27,291	25.6	-----	-----	-----	11,531	126,546	11.0
Eighth.....	24,424	508,017	20.8	-----	-----	-----	178,883	227,564	1.3
Ninth.....	1,930	54,818	28.4	1,925	12,511	6.5	-----	-----	-----
Twelfth.....	1,347	31,102	23.1	-----	-----	-----	15,150	32,911	2.2
Total.....	88,494	1,632,395	18.5	8,625	46,511	5.4	550,589	740,931	1.3

TABLE 39—EXPLOSIVES USED FOR BLASTING COAL IN SHIPPING MINES BY DISTRICTS, WHERE THE COAL IS UNDERCUT BEFORE BLASTING.

District.	Powder.			Permissibles.			Pellet powder.		
	Kegs.	Tons blasted.	Average tons per keg.	Pounds.	Tons blasted.	Average tons per pound.	Pounds.	Tons blasted.	Average tons per pound.
Second.....	10,624	613,696	57.8	-----	-----	-----	33,975	172,218	5.1
Third.....	7,520	536,581	71.4	-----	-----	-----	1,501	15,076	10.0
Fourth.....	4,766	298,536	60.2	7,050	10,986	1.6	1,119,175	1,993,287	1.8
Fifth.....	1,764	126,453	71.7	121,600	630,436	5.2	298,325	539,351	1.8
Sixth.....	2,998	227,928	76.0	209,150	1,495,877	7.2	199,800	862,988	4.3
Seventh.....	2,314	249,072	107.6	50,925	293,263	5.7	135,315	623,817	4.6
Eighth.....	4,524	353,509	78.1	10,050	80,400	8.0	176,342	268,358	1.5
Ninth.....	1,986	161,441	81.3	158,175	1,192,956	7.6	57,050	124,076	2.2
Tenth.....	-----	-----	-----	669,511	4,932,695	7.4	-----	-----	-----
Eleventh.....	154	22,247	144.5	164,525	1,690,831	10.3	86,275	530,647	6.2
Twelfth.....	52	3,300	63.5	138,675	775,213	5.6	115,075	343,488	3.0
Total.....	36,732	2,592,763	70.6	1,529,661	11,102,657	7.3	2,223,133	5,473,306	2.5

TABLE 40—EXPLOSIVES USED IN STRIP MINES.

District.	Tons mined by the use of explosives.	Explosives used.				Tons mined where no explosives are reported.	Total tons in strip mines.
		Powder—kegs.	Permissibles—pounds.	Pellet powder—pounds.	Dynamite—pounds.		
First.....	1,593,079	1,925	60,300	-----	3,350	-----	1,593,079
Third.....	343,639	-----	6,650	-----	23,650	400,697	744,336
Fifth.....	-----	-----	-----	-----	-----	359,892	359,892
Eighth.....	-----	-----	-----	-----	-----	247,531	247,531
Ninth.....	2,381,712	380	64,400	140,100	11,150	1,006,824	3,388,536
Eleventh.....	285,325	-----	-----	-----	65,000	-----	285,325
Twelfth.....	7,667	-----	-----	-----	-----	1,862	9,529
Total.....	4,611,422	2,303	131,350	140,100	103,150	2,016,806	6,628,228

TABLE 41—SUMMARY SHOWING THE AMOUNT AND KIND OF EXPLOSIVES USED IN THE DIFFERENT METHODS OF MINING—SHIPPING MINES.

Method of mining.	Powder.		Permissibles.		Pellet powder.		Total tons.
	Kegs.	Tons blasted.	Pounds.	Tons blasted.	Pounds.	Tons blasted.	
From solid.....	88,494	1,632,395	8,625	46,511	550,589	740,931	2,419,837
Undercut.....	36,733	2,592,763	1,529,661	11,102,657	2,223,133	5,473,306	22,125,000
Strip mines.....	2,303	-----	131,350	-----	140,100	-----	4,611,422
No explosives used.....	-----	-----	-----	-----	-----	-----	2,246,140
Total.....	127,530	4,225,158	1,669,636	11,149,168	2,913,822	6,214,237	31,402,399

a 19,182 tons blasted by dynamite and 2,937,092 by cardox.

TABLE 42—EXPLOSIVES USED IN LOCAL MINES, BY DISTRICTS.

District.	Kind of explosive—			Tons mined in—			Total tons mined in local mines.
	Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Machine mines.	Hand mines.	Strip mines.	
First.....	10,762	6,825	-----	192,545	278,440	42,237	513,222
Second.....	13,715	3,125	-----	217,042	155,416	9,319	381,777
Third.....	13,731	-----	150	140,474	219,607	39,978	400,059
Fourth.....	12,662	2,025	-----	85,861	181,927	2,160	269,348
Fifth.....	9,224	-----	8,000	187,232	153,630	8,891	349,753
Sixth.....	1,052	-----	-----	6,030	44,753	-----	50,783
Seventh.....	1,342	-----	-----	58,601	22,054	-----	80,655
Eighth.....	11,229	5,806	-----	78,735	273,447	5,419	357,601
Ninth.....	4,590	1,850	-----	43,220	79,709	500	123,429
Eleventh.....	3,405	6,675	-----	20,952	39,808	3,050	63,810
Twelfth.....	6,536	600	-----	5,816	104,359	17,175	127,350
Total.....	88,248	26,900	8,150	1,036,508	1,553,150	128,729	2,718,387

TABLE 43—Concluded.

No.	Name of operator.	Loading machines.			Conveyors.			Loaded by hand.		
		Number used.	Days Operated.	Tons loaded.	Number used.	Days Operated.	Tons loaded.	Number of loaders.	Days worked.	Tons loaded.
37	Old Ben Coal Corp., No. 18.	625,216			107	123	625,216			
38	Peabody Coal Co., No. 7.	449,088	14	108		108	11,605			
39	Peabody Coal Co., No. 9.	559,086	14	110		56	5,639			
40	Peabody Coal Co., No. 18.	420,804	9	125		125	146,258			
41	Peabody Coal Co., No. 24.	553,010	12	173		173	89,417	17	173	13,659
42	Peabody Coal Co., No. 25.	200,864			27	101	155,216	60	101	45,648
43	Peabody Coal Co., No. 43.	341,258	12	106		106	52,691	3	47	1,416
44	Peabody Coal Co., No. 51.	156,343			37	96	156,343			
45	Peabody Coal Co., No. 52.	113,005			36	48	104,210	24	48	9,395
46	Peabody Coal Co., No. 53.	122,556			36	78	112,049	27	78	10,507
47	Peabody Coal Co., No. 58.	361,764	12	107						
48	Peabody Coal Co., No. 59.	157,675			50	77	157,675			
49	Perry Coal Co., Carbon.	85,755			9	158	85,755			
50	Perry Coal Co., St. Ellen.	220,456	4	169		134	11,499			
51	Perry Coal Co., Taylor.	2,200			14	3	2,200			
52	Rex Coal Co.	262,237			31	127	262,237			
53	St. Louis Coal & Iron Co.	36,960			26	38	36,960			
54	Southern Coal, Coke & Mining Co., No. 7.	103,739	11	104						
55	Southern Coal, Coke & Mining Co., No. 9.	42,541	3	75						
56	Superior Coal Co., No. 1.	286,198			104	89	286,198			
57	Superior Coal Co., No. 2.	334,212			104	100	334,212			
58	Superior Coal Co., No. 3.	339,983			108	102	350,985			
59	Superior Coal Co., No. 4.	249,534			138	61	249,534			
60	United States Fuel Co., Bunsen.	541,635			12	100	58,006	1,093	100	503,649
61	Union Colliery Co.	530,612	20	114						
62	Valley Coal Co.	710,761	20	105						
63	Vinegar Hill Coal Co.	79,897			36	105	146,475	16	105	16,857
64	Virdeen Coal Co.	12,118	3	36						
65	Wallace Coal Co.	97,758	2	175						
66	Wasson Coal Co., No. 1.	242,639	4	50						
67	Wasson Coal Co., No. 2.	8,827	4	11						
68	Winkle Coal Co.	16,549	1	32						
Total—68 mines.		17,179,170	302	a 97	1,978	a 90	7,519,089	2,945	a 94	1,766,514
1931—74 mines.		25,755,451	289	a 131	2,131	a 138	12,258,353	4,840	a 108	3,309,669

a Average.

TABLE 44.—MINES LOADING ENTIRE OUTPUT MECHANICALLY.

Name of operator.	Inspection district.	Loading machines.		Conveyors.		Total number employed.	Days worked.	Total tons.
		Number used.	Tons loaded.	Number used.	Tons loaded.			
Alcoa Ore Co.	8	4	59,282	8	21,118	164	61	80,400
Bell & Zoller Coal Co., No. 1.	10	18	519,281	43	179,589	639	109	698,870
Carbon Fuel Co.	12	2	63,398	-----	-----	44	162	63,398
Chicago, Wilmington & Franklin Coal Co., No. 1.	10	11	324,948	52	213,630	1,005	114	538,578
Chicago, Wilmington & Franklin Coal Co., No. 2.	10	10	761,762	86	299,814	1,218	86	1,061,576
Consolidated Coal Co., No. 15.	6	13	475,442	-----	-----	566	112	475,442
Cosgrove-Meehan Coal Co., No. 1.	12	-----	-----	55	160,464	313	129	160,464
Cosgrove-Meehan Coal Co., No. 3.	12	-----	-----	23	14,344	303	22	14,344
Cosgrove-Meehan Coal Co., No. 5.	6	-----	-----	64	147,093	425	63	147,093
Dorthel Coal Co., No. 1.	2	9	56,599	-----	-----	200	96	56,599
Gillespie Coal Co.	6	-----	-----	34	206,612	195	148	206,612
Golden Rule Coal Co.	8	-----	-----	6	66,748	63	117	66,748
Gundlach Coal Co.	8	6	71,406	6	23,825	108	110	95,231
Illinois Pechontas Coal Co.	7	1	5,892	9	30,657	212	98	36,549
Mt. Olive & Staunton Coal Co.	7	4	25,313	73	264,172	571	101	289,485
Old Ben Coal Corp., No. 8.	10	7	254,664	68	381,157	598	140	635,821
Old Ben Coal Corp., No. 14.	10	-----	-----	110	197,425	727	49	197,425
Old Ben Coal Corp., No. 15.	10	-----	-----	100	611,925	529	152	611,925
Old Ben Coal Corp., No. 18.	12	-----	-----	107	625,216	739	123	625,216
Peabody Coal Co., No. 7.	4	14	437,483	4	11,605	446	108	449,088
Peabody Coal Co., No. 9.	4	14	583,447	6	5,639	417	110	589,086
Peabody Coal Co., No. 18.	10	9	274,546	32	146,258	670	125	420,804
Peabody Coal Co., No. 51.	4	-----	-----	37	156,343	234	96	156,343
Peabody Coal Co., No. 58.	4	12	361,764	-----	-----	319	107	361,764
Peabody Coal Co., No. 59.	4	-----	-----	50	157,675	300	77	157,675
Perry Coal Co., Carbon.	8	-----	-----	9	85,755	108	158	85,755
Perry Coal Co., St. Ellen.	8	4	208,957	5	11,499	220	169	220,456
Perry Coal Co., Taylor.	8	-----	-----	14	2,200	93	3	2,200
Rex Coal Co.	11	-----	-----	31	262,237	285	127	262,237
St. Louis Coal & Iron Co.	12	-----	-----	26	36,960	118	38	36,960
Southern Coal, Coke & Mining Co., No. 7.	8	11	103,739	-----	-----	127	104	103,739
Southern Coal, Coke & Mining Co., No. 9.	8	3	42,541	-----	-----	53	75	42,541
Superior Coal Co., No. 1.	6	-----	-----	104	286,198	431	89	286,198
Superior Coal Co., No. 2.	6	-----	-----	104	334,212	613	100	334,212
Superior Coal Co., No. 3.	6	-----	-----	108	359,985	671	102	359,985
Superior Coal Co., No. 4.	6	-----	-----	138	249,534	649	61	249,534
Union Colliery Co.	9	20	530,612	-----	-----	528	114	530,612
Vinegar Hill Coal Co.	8	-----	-----	8	79,897	61	172	79,897
Virden Coal Co.	6	3	12,118	-----	-----	165	36	12,118
Wallace Coal Co.	12	2	87,114	1	10,644	41	175	97,758
Wasson Coal Co., No. 2.	11	4	8,827	-----	-----	135	11	8,827
Total—41 mines.	-----	181	5,259,135	1,521	5,640,430	15,303	76	10,899,565
1931—36 mines.	-----	166	6,887,847	1,338	8,250,483	12,126	164	15,138,330

TABLE 45—METHODS OF LOADING IN SHIPPING MINES—BY DISTRICTS.

District.	Total output.	Loading machines.		Conveyors.		Hand loading.		Mined in strip mines.	Per cent loaded by—			
		Number used.	Tons loaded.	Number used.	Tons loaded.	Number of loaders.	Tons loaded.		Loading machines.	Conveyors.	Hand.	Strip mines.
First.....	1,867,943	---	---	---	---	596	274,864	1,593,079	---	---	14.7	85.3
Second.....	853,301	9	56,599	---	---	950	796,702	---	6.6	---	93.4	---
Third.....	1,355,246	---	---	2	4,169	610	696,741	744,336	0.3	---	44.8	54.9
Fourth.....	3,597,269	40	1,382,694	169	547,621	3,302	1,666,954	---	38.4	15.2	46.4	---
Fifth.....	1,674,828	12	449,934	30	127,423	1,685	737,579	359,892	26.9	7.6	44.0	21.5
Sixth.....	2,594,413	19	523,591	623	1,951,465	237	119,357	---	20.2	75.2	4.6	---
Seventh.....	1,320,089	13	304,987	130	563,098	580	452,004	---	23.1	42.7	34.2	---
Eighth.....	1,905,835	28	485,925	69	330,011	1,101	842,368	247,531	25.5	17.3	44.2	13.0
Ninth.....	4,932,338	33	998,181	10	6,248	1,061	629,373	3,388,536	18.4	0.1	12.8	68.7
Tenth.....	7,064,359	111	2,908,124	573	2,403,973	1,705	1,752,262	---	41.2	34.0	24.8	---
Eleventh.....	2,429,050	22	321,542	117	498,061	1,866	1,324,122	285,325	13.2	20.5	54.5	11.8
Twelfth.....	1,807,728	15	551,990	255	1,087,020	160	159,189	9,529	30.5	60.1	8.8	0.6
Total.....	31,402,399	302	7,893,567	1,978	7,519,089	13,853	9,361,515	6,628,228	25.1	23.9	29.8	21.2
1931.....	43,073,058	289	10,187,429	2,131	12,258,373	17,826	14,078,460	6,548,798	23.6	28.5	32.7	15.2

TABLE 46—MECHANICAL LOADING IN BITUMINOUS MINES, BY STATES IN 1931, TOTAL OUTPUT, TONS LOADED MECHANICALLY AND PERCENT OF OUTPUT SO LOADED.

State.	Total output.	Tons loaded mechanically.	Per cent of output loaded mechanically.
Illinois.....	44,303,295	22,445,802	50.6
Indiana.....	14,295,165	3,436,000	24.0
Pennsylvania.....	97,658,698	8,821,000	9.3
Ohio.....	20,410,995	1,301,000	6.4
Wyoming.....	4,993,686	2,774,000	55.6
Utah.....	3,350,044	861,000	25.7
Montana.....	2,378,052	1,024,000	43.2
Kentucky.....	40,238,803	871,000	2.2
West Virginia.....	111,171,852	2,473,000	2.2
Virginia.....	---	---	---
Alabama.....	11,998,781	2,247,000	10.4
Other states.....	31,290,025	1,114,000	3.6
Total.....	382,089,396	47,367,802	12.4

These figures were compiled from reports of Federal Bureau of Mines.

TABLE 47—PHYSICAL AND MECHANICAL CHARACTERISTICS OF SHIPPING MINES.

Number.	County, district, name of operator and mine.	Postoffice address of mine.	Tons of coal produced.	Num- ber of seam.	Thick- ness of seam, feet.	Shaft, slope, dript or strip.	Depth of shaft, feet.	Long- wall or pillar and room.	Mining.	Haulage.	Hoisting.	Loading.	Open or closed lights.	Is mine rock dusted?
1	Bond County—Seventh District.		36,549											
	Illinois Pocahontas Coal Co.	Pocahontas.	36,549	6	7.0	Shaft	426	P. & R.	Machine	Both	Steam	Machine	Open	No
2	Christian County—Fourth District.		1,835,286											
	Pana Coal Co., No. 1.	Pana.	64,942	6	7.6	Shaft	729	P. & R.	Hand Machine	Both	Steam	Hand Machine	Open	No
	Peabody Coal Co., No. 7.	Kincaid.	449,088	6	6.6	Shaft	360	P. & R.	Machine	Motor	Electric	Hand Machine	Open	Yes
	Peabody Coal Co., No. 8.	Tovey.	297,164	7	6.6	Shaft	370	P. & R.	Machine	Motor	Electric	Hand Machine	Open	No
	Peabody Coal Co., No. 9.	Langleyville.	589,086	6	7.0	Shaft	410	P. & R.	Machine	Motor	Electric	Machine	Open	No
	Peabody Coal Co., No. 58.	Taylorville.	361,764	6	7.0	Shaft	440	P. & R.	Machine	Motor	Steam	Machine	Open	Yes
	Penwell Coal Mining Co.	Pana.	73,242	6	7.6	Shaft	745	P. & R.	Both	Both	Steam	Hand Machine	Open	No
3	Clinton County—Eighth District.		92,895											
	Beckmeyer Coal Co., N.	Beckmeyer.	13,768	6	8.0	Shaft	450	P. & R.	Both	Both	Steam	Hand Machine	Open	No
	Citizens Coal Co., E.	Breese.	36,586	6	7.0	Shaft	485	P. & R.	Both	Both	Steam	Hand Machine	Open	No
	Southern C. C. Mining Co., No. 9.	New Baden.	42,541	6	7.0	Shaft	318	P. & R.	Hand	Motor	Steam	Machine	Open	No
4	Franklin County—Tenth District.		7,064,359											
	Bell & Zoller Coal & Mining Co., No. 1.	Zeigler.	698,870	6	12.0	Shaft	454	P. & R.	Machine	Motor	Steam	Machine	Closed	Yes
	Bell & Zoller Coal & Mining Co., No. 2.	Zeigler.	756,006	6	12.0	Shaft	310	P. & R.	Machine	Motor	Steam	Hand Machine	Closed	Yes
	Brewerton Coal Corp., No. 21.	W. Frankfort.	73,472	6	9.0	Shaft	480	P. & R.	Machine	Motor	Steam	Both	Closed	Yes
	Brewerton Coal Corp., No. 22.	Sesser.	72,669	6	9.6	Shaft	680	P. & R.	Both	Motor	Steam	Both	Closed	Yes
	Chicago, Wilmington & Franklin Coal Co., No. 1.	Orient.	538,578	6	9.6	Shaft	520	P. & R.	Machine	Motor	Steam	Both	Closed	Yes
	Chicago, Wilmington & Franklin Coal Co., No. 2.	W. Frankfort.	1,061,576	6	9.2	Shaft	500	P. & R.	Machine	Motor	Electric	Machine	Closed	Yes
	Franklin County Coal Co., No. 5.	Herrin.	389,107	6	9.6	Shaft	349	P. & R.	Machine	Both	Steam	Hand Machine	Open	Yes
	Franklin County Coal Co., No. 7.	Royalton.	443,825	6	9.6	Shaft	315	P. & R.	Machine	Motor	Steam	Both	Open	Yes
	Old Ben Coal Corp., No. 8.	W. Frankfort.	635,821	6	8.8	Shaft	442	P. & R.	Machine	Motor	Electric	Machine	Closed	Yes
	Old Ben Coal Corp., No. 14.	Buckner.	197,425	6	8.11	Shaft	459	P. & R.	Machine	Motor	Electric	Machine	Closed	Yes
	Old Ben Coal Corp., No. 15.	Ezra.	611,925	6	8.10	Shaft	418	P. & R.	Machine	Motor	Electric	Machine	Closed	Yes
	Peabody Coal Co., No. 18.	W. Frankfort.	420,804	6	9.0	Shaft	512	P. & R.	Machine	Motor	Steam	Machine	Closed	Yes
	Peabody Coal Co., No. 19.	W. Frankfort.	453,490	6	9.0	Shaft	490	P. & R.	Machine	Both	Electric	Hand Machine	Closed	Yes
	Valier Coal Co.	Valier.	710,761	6	7.6	Shaft	600	P. & R.	Machine	Motor	Electric	Both	Closed	Yes

TABLE 47—Continued.

Number.	County, district, name of operator and mine.	Postoffice address of mine.	Tons of coal produced.	Num- ber of seam.	Thick- ness of seam, feet.	Shaft, slope, drift or strip.	Depth of shaft, feet.	Long- wall or pillar and room.	Mining.	Haulage.	Hoisting.	Loading.	Open or closed lights.	Is mine or rock dusted?
5	Fulton County—Third District.		1,116,524											
	Canton Coal Co.	Canton	177,240	5	4.0	Shaft	180	P. & R.	Machine	Both	Steam	Hand	Open	No
	Doriel Coal Co., No. 2	Farmington	166,730	5	4.0	Shaft	96	P. & R.	Both	Both	Electric	Both	Open	No
	Doriel Coal Co., No. 3	Farmington	3,850	5	4.0	Shaft	100	P. & R.	Both	Both	Electric	Hand	Open	No
	Illinois Colliery Co.	Farmington	24,368	5	4.1	Shaft	185	P. & R.	Both	Mule	Electric	Hand	Open	No
	Truax-Traer Coal Co.	St. David	343,639	5	4.6	Strip								
	United Electric Coal Co., No. 9	Cuba	400,697	5	4.103	Strip								
6	Henry County—First District.		655,055											
	Midland Electric Coal Corp., No. 1.	Atkinson	616,901	2	2.9	Strip								
	Shuler Coal Mining Co.	Alpha	38,154	1	4.8	Shaft	265	P. & R.	Hand	Mule	Electric	Hand	Open	No
7	Jackson County—Ninth District.		1,336,968											
	Little Muddy Coal Co., No. 1	Hurst	3,350	6	8.0	Slope	220	P. & R.	Hand	Mule	Steam	Hand	Open	No
	Truax-Traer Coal Co., No. 1	Elkville	382,500	6	6.0	Strip								
	Truax-Traer Coal Co., No. 2	DeSoto	430,506	6	6.0	Strip								
	Union Colliery Co.	Dowell	530,612	6	8.0	Shaft	260	P. & R.	Machine	Motor	Electric	Machine	Closed	Yes
8	Knox County—Third District.		238,722											
	Galesburg Mining Co.	Galesburg	238,722	1	4.6	Shaft	115	P. & R.	Both	Both	Steam	Hand	Open	No
9	LaSalle County—First District.		132,155											
	Union Coal Co.	LaSalle	132,155	2	3.6	Shaft	400	L. W.	Machine	Both	Electric	Hand	Open	No
10	Logan County—Fourth District.		94,504											
	Brewerton Coal Co., No. 92	Lincoln	94,504	5	5.2	Shaft	285	P. & R.	Hand	Both	Steam	Hand	Open	No
11	Macoupin County—Sixth District.		1,930,406											
	Consolidated Coal Co., No. 15	Mt. Olive	475,442	6	7.6	Shaft	375	P. & R.	Machine	Motor	Steam	Machine	Open	No
	Gillespie Coal Co.	Gillespie	206,612	7	7.6	Shaft	347	P. & R.	Machine	Both	Electric	Machine	Open	No
	South Mine Coal Co.	Carlinville	6,305	6	5.0	Shaft	250	P. & R.	Machine	Mule	Steam	Hand	Open	No
	Superior Coal Co., No. 1	Gillespie	286,198	6	7.0	Shaft	338	P. & R.	Machine	Both	Steam	Machine	Open	No
	Superior Coal Co., No. 2	Gillespie	334,212	6	7.5	Shaft	321	P. & R.	Machine	Motor	Steam	Machine	Open	No

TABLE 47—Continued.

Number.	County, district, name of operator and mine.	Postoffice address of mine.	Tons of coal produced.	Num- ber of seam.	Thick- ness of seam, feet.	Shaft, slope, drift or strip.	Depth of shaft, and feet.	Long- wall or pillar and room.	Mining.	Haulage.	Hoisting.	Loading.	Open or closed lights.	Is mine rock dusted?
17	Putnam County—First District.		104,555											
	Prairie State Coal Co.	Granville.	104,555	2	3.4	Shaft	500	L. W.	Hand	Mule	Steam	Hand	Open	No
18	Randolph County—Ninth District.		195,599											
	Ilmo Coal Co.	Sparta.	2,338	6	6.0	Shaft	120	P. & R.	Hand	Mule	Electric	Hand	Open	No
	Jones Bros. Coal Mining Co., No. 2.	Marissa.	3,282	6	6.6	Shaft	180	P. & R.	Hand	Both	Steam	Hand	Open	No
	Moffat Coal Co.	Sparta.	189,979	6	6.0	Shaft	140	P. & R.	Machine	Both	Steam	Both	Open	No
19	Saline County—Eleventh District.		2,401,303											
	Blue Bird Coal Co.	Carrier Mills.	985,325	5	5.0	Strip	311	P. & R.	Machine	Both	Steam	Hand	Open	No
	O Gara Coal Co., No. 1.	Harrisburg.	356,854	5	5.0	Shaft	245	P. & R.	Machine	Motor	Steam	Both	Open	No
	O Gara Coal Co., No. 3.	Harrisburg.	283,351	5	4.0	Shaft	406	P. & R.	Machine	Both	Steam	Both	Open	No
	O Gara Coal Co., No. 10.	Eldorado.	197,095	5	5.73	Shaft	267	P. & R.	Machine	Both	Steam	Both	Closed	Yes
	Peabody Coal Co., No. 43.	Harrisburg.	341,298	5	5.4	Shaft	420	P. & R.	Machine	Motor	Steam	Hand	Closed	Yes
	Peabody Coal Co., No. 47.	Harrisburg.	423,737	5	6.6	Shaft	465	P. & R.	Machine	Motor	Steam	Machine	Closed	No
	Rex Coal Co.	Eldorado.	262,237	5	6.6	Shaft	325	P. & R.	Machine	Both	Steam	Both	Open	Yes
	Wasson Coal Co., No. 1.	Harrisburg.	242,639	5	4.8	Slope	325	P. & R.	Machine	Motor	Electric	Machine	Open	Yes
	Wasson Coal Co., No. 2.	Harrisburg.	8,827	5										
20	Sangamon County—Fourth District.		1,667,479											
	Central Illinois Coal Mining Co.	Springfield.	170,294	5	5.10	Shaft	185	P. & R.	Hand	Both	Electric	Hand	Open	No
	Mine B Coal Co.	Springfield.	225,567	5	5.6	Shaft	208	P. & R.	Hand	Both	Electric	Hand	Open	No
	Panther Creek Mines, No. 1.	Auburn.	115,731	5	7.0	Shaft	270	P. & R.	Both	Motor	Steam	Hand	Open	No
	Panther Creek Mines, No. 4.	Springfield.	202,453	5	5.8	Shaft	156	P. & R.	Hand	Both	Steam	Hand	Open	No
	Panther Creek Mines, No. 5.	Springfield.	100,639	5	5.10	Shaft	250	P. & R.	Hand	Both	Steam	Hand	Open	No
	Peabody Coal Co., No. 51.	Springfield.	156,343	5	5.10	Shaft	235	P. & R.	Machine	Both	Steam	Machine	Open	Yes
	Peabody Coal Co., No. 52.	Riverton.	113,605	5	5.10	Shaft	235	P. & R.	Both	Both	Steam	Both	Open	Yes
	Peabody Coal Co., No. 53.	Springfield.	122,556	5	6.9	Shaft	230	P. & R.	Machine	Both	Electric	Both	Open	Yes
	Peabody Coal Co., No. 57.	Springfield.	142,020	5	6.0	Shaft	220	P. & R.	Hand	Both	Steam	Hand	Open	Yes
	Peabody Coal Co., No. 59.	Springfield.	157,675	6	5.10	Shaft	224	P. & R.	Machine	Both	Steam	Machine	Open	Yes
	Sangamon Coal Co., No. 2.	Springfield.	160,596	5	5.10	Shaft	265	P. & R.	Hand	Both	Steam	Hand	Open	No
21	Shelby County—Sixth District.		37,333											
	Moweaqua Coal Corp., No. 1.	Moweaqua.	37,333	5	5.2	Shaft	620	P. & R.	Machine	Both	Steam	Hand	Open	No

TABLE 47—Concluded.

Number.	County, district, name of operator and mine.	Postoffice address of mine.	Tons of coal produced.	Num- ber of seam.	Thick- ness of seam, feet.	Shaft, slope, or drift strip.	Depth of shaft, or feet.	Long- wall or pillar and room.	Mining.	Haulage.	Hoisting.	Loading.	Open or closed lights.	Is mine rock dusted.
26	White County—Eleventh District.		27,747											
	Southern Illinois Coal Mining Co., No. 1.	Norris City.	27,747	6	5.0	Shaft	640 P. & R.		Hand	Both	Steam	Hand machine or both.	Open	No
27	Will County—First District.		976,178											
	Northern Illinois Coal Corp.	Wilmingon.	976,178	2	3.2	Strip								
28	Williamson County—Twelfth District.		1,807,728											
	Carbon Fuel Co.	Marion.	63,298	6	6.0	Slope	P. & R.		Machine	Both	Electric	Machine	Open	No
	Cartersville Coal & Mining Co.	Cartersville.	1,862	6	7.6	Strip			Hand		Electric	Hand	Open	No
	Cartersville Peacock Coal Co.	Herrin.	7,667	6	7.6	Strip			Machine	Mule	Steam	Both	Open	No
	City Lake Coal Co.	Herrin.	15,514	5	4.0	Slope			Machine	Both	Steam	Machine	Closed	Yes
	Consolidated Coal Co., No. 7.	Herrin.	431,332	6	8.6	Shaft			Machine	Both	Steam	Machine	Closed	Yes
	Cosgrove-Meehan Coal Co., No. 1.	Johnston City	160,444	6	6.0	Shaft			Hand	Mule	Electric	Both	Open	No
	Cosgrove-Meehan Coal Co., No. 3.	Marion.	14,344	6	6.0	Slope			Both	Both	Electric	Both	Open	No
	Equality Coal Co.	Herrin.	709	6	4.0	Slope			Hand	Mule	Steam	Hand	Open	No
	Freeman Coal Mining Co.	Marion.	126,748	6	8.0	Slope			Hand	Mule	Steam	Hand	Open	No
	Grisman Coal Co., No. 1.	Marion.	5,713	6	8.0	Slope			Hand	Mule	Steam	Hand	Open	No
	Ogmore Coal Co.	Cambria.	1,799	5	4.0	Slope			Machine	Motor	Electric	Machine	Open	Yes
	Old Ben Coal Co., No. 18.	Johnston City	625,216	6	8.0	Shaft			Both	Both	Steam	Both	Open	No
	Peabody Coal Co., No. 25.	Cartersville.	200,864	6	9.0	Shaft			Both	Both	Steam	Both	Open	No
	Pendley & Wilkinson Coal Co.	Marion.	1,900	5	4.4	Slope			Hand	Mule	Steam	Hand	Open	No
	Puritan Coal Co.	Johnston City	10,779	5	4.0	Slope			Hand	Pony	Electric	Hand	Open	No
	St. Louis Coal & Iron Co., No. 2.	Johnston City	36,960	6	6.6	Shaft			Machine	Motor	Electric	Machine	Closed	Yes
	Spillertown Mining Co.	Marion.	4,810	5	4.0	Shaft			Both	Mule	Steam	Both	Open	No
	Wallace Coal Co.	Marion.	97,758	6	6.0	Slope			Both	Both	Electric	Both	Open	No
29	Woodford County—Second District.		67,387											
	Roanoke Coal & Tile Co.	Roanoke.	17,698	3	2.6	Shaft	480 L. W.		Hand	Both	Steam	Hand	Open	Yes
	W. G. Sutton.	Minonk.	49,689	2	3.0	Shaft	556 L. W.		Hand	Both	Steam	Hand	Open	No

TABLE 48—SUMMARY OF THE VARIOUS SEAMS OF COAL, KIND OF OPENING, MANNER OF WORKING AND TONS PRODUCED FROM EACH SEAM.

Number of seam.	Number of —		Kind of opening.			Manner of working.		Production in tons.
	Counties.	Mines.	Shaft.	Drift.	Slope.	Strip.	Pillar and room.	
One.....	2	2	2				2	276,876
Two.....	5	5	3					1,879,478
Three.....	1	1	1					17,693
Four.....	8	36	24					5,741,897
Five.....	17	112	93	1	9	3	33	22,564,354
Six.....	4	6	3		1	10	102	922,096
Seven.....						2	4	
Total.....		162	126	1	18	17	141	31,402,399

TABLE 49—SHIPPING MINES—TONNAGE TAKEN FROM THE DIFFERENT SEAMS 1903-1932 BY YEARS.

Year.	Number one.	Number two.	Number five.	Number six.	Number seven.	Other seams.	Total.
1903-----	814,098	5,802,943	11,369,134	11,379,930	4,300,240	10,192	33,676,537
1904-----	731,905	5,701,045	11,848,075	12,750,210	4,743,297	4,985	35,779,517
1905-----	664,470	5,729,476	11,159,660	13,353,739	5,049,198	-----	35,956,543
1906-----	563,451	5,311,018	12,269,985	13,366,632	5,609,485	2,240	37,122,811
1907-----	530,428	5,624,184	11,113,835	22,467,845	6,700,547	-----	46,436,839
1908-----	470,922	5,535,798	10,503,742	29,805,508	1,404,550	89,210	47,809,730
1909-----	428,439	5,696,998	10,934,538	29,138,978	1,667,197	92,412	47,958,562
1910-----	338,511	4,678,373	10,691,436	29,611,564	1,854,328	50,989	47,225,201
1911-----	283,999	4,179,742	11,513,432	30,673,265	2,045,747	62,472	48,758,657
1912-----	406,375	4,327,875	12,957,599	36,673,889	866,466	864,491	56,096,695
1913-----	412,734	4,506,026	13,006,968	40,975,466	1,051,347	562,875	60,515,416
1914-----	444,112	4,186,043	11,735,171	40,609,685	1,833,884	570,287	59,379,182
1915-----	353,434	3,355,529	11,231,763	39,810,296	341,149	1,080,385	56,172,556
1916-----	499,930	3,941,707	12,231,580	42,545,811	2,668,148	396,060	62,283,236
1917-----	307,462	4,144,670	15,033,726	55,510,559	1,948,616	467,021	77,412,054
1918-----	430,542	4,072,479	18,086,543	60,054,310	5,218,538	443,816	88,306,228
1919-----	326,819	3,166,176	13,649,453	52,590,161	3,729,333	289,779	73,751,721
1920-----	300,405	2,838,892	14,096,645	50,840,044	3,997,885	335,739	72,409,610
1921-----	302,122	2,229,087	13,884,483	57,166,695	4,454,252	302,443	78,339,082
1922-----	239,421	1,492,282	12,877,710	42,717,586	3,835,759	243,335	61,406,093
1923-----	118,111	767,824	17,649,542	50,559,819	3,297,154	1,018,387	73,410,837
1924-----	311,690	1,573,997	15,955,506	51,358,867	1,124,303	-----	70,324,363
1925-----	375,166	2,010,226	20,530,477	75,815,245	1,281,185	-----	100,012,299
1926-----	251,904	1,046,014	13,700,165	52,237,218	595,132	6,008	67,836,441
1927-----	425,769	389,352	9,580,520	34,522,675	-----	8,117	44,926,433
1928-----	130,424	280,518	10,509,204	41,924,627	1,203,969	235,442	54,284,184
1929-----	281,648	1,129,750	11,217,847	45,239,351	1,196,088	11,311	59,075,995
1930-----	339,329	1,464,697	10,275,953	38,195,497	1,697,933	23,199	51,996,608
1931-----	325,818	1,869,744	8,962,681	30,761,555	1,141,029	12,231	43,073,058
1932-----	276,876	1,879,478	5,741,897	22,564,354	922,036	17,698	31,402,399
Total----	11,686,314	98,931,943	374,319,270	1,155,221,381	75,778,855	7,201,124	1,723,138,887

TABLE 50—LIST OF FATAL ACCIDENTS.

Name of person killed.	Occupation.	Residence.	Date of death.	Cause of death.	By whom employed.
Bailey, James.	Laborer.	Virden.	Dec.	8 Killed by mule.	Mine B Coal Co.
Baird, William.	Miner.	LaSalle.	May	20 Falling rock.	M. & H. Zinc Co.
Balekiss, George.	Miner.	Westville.	Sept.	20 Falling rock.	U. S. Fuel Co. Bun.
Bartash, George.	Timberman.	Westville.	Aug.	20 Falling rock.	Peabody Coal Co., No. 24.
Bryant, George T.	Laborer.	Springfield.	Dec.	31 Struck breast against coal rib.	Peabody Coal Co., No. 57.
Bell, David.	Miner.	Sesser.	Aug.	31 Falling rock.	Valter Coal Co.
Birley, James.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Birley, Thomas.	Driver.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Board, Kenneth.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Buellman, C. M.	Miner.	Frederburg.	Oct.	6 Fan shaft.	Power Coal Co.
Bullar, Everett.	Car mover.	Desoto.	Jan.	17 Coal thrown from car.	Truax-Tracer Coal Co., No. 2.
Bursell, George.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Cabacelli, Loui.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Campbell, Charles.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Campbell, Ed.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Campko, Mike.	Miner.	Collinsville.	Nov.	18 Falling prop.	Lamaghi Coal Co., No. 2.
Carlin, John.	Miner.	Auburn.	Jan.	15 Powder explosion.	Pantier Creek Mine, No. 1.
Cascoal, James.	Locomotive engineer.	Oakwood.	Aug.	31 Crushed by engine.	United Electric Coal Co., No. 1.
Castagnouls, Jules.	Driver.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Castlegood, Roy.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Clark, Samuel.	Truckman.	Duquoin.	Aug.	31 Falling coal.	Crerar-C'lineh Coal Co., No. 14.
Cochrane, Elmer.	Truckman.	Elkville.	Dec.	24 Railway car.	Truax-Tracer Coal Co., No. 1.
Cordy, Andy, Sr.	Timberman.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Cordy, Andy, Jr.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Cordy, John.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Cosley, David.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Coughlin, T. M.	Machinist.	LaSalle.	Feb.	6 Fell off railway car.	Union Coal Co.
Craven, Chester.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Crinoek, Mike.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
DeLorme, August.	Timberman.	Poaria.	Dec.	24 Falling rod.	Crescent Mining Co., No. 6.
Davis, Zelva.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Davidson, William.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Derrington, D. W.	Truckman.	West Frankfort.	Dec.	24 Falling rock.	Peabody Coal Co., No. 18.
Dove, Arthur.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Dowd, Earl.	Driver.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Drake, A. F.	Miner.	Waverly.	Jan.	14 Pit cars.	Williamson & Sons.
Ferrell, Harry.	Repairman.	West Frankfort.	Dec.	11 Caught between car and rib.	C. W. & F. Coal Co., No. 2.
Forski, Mike.	Miner.	Moweaqua.	Dec.	24 Gas explosion.	Moweaqua Coal Mining Co.
Gardner, Arthur.	Machineman.	Benton.	Dec.	16 Falling slate.	Peabody Coal Co., No. 7.
Gergovich, Frank.	Miner.	LaSalle.	Sept.	6 Falling rock.	M. & H. Zinc Co.

TABLE 50—Concluded.

Name of person killed.	Occupation.	Residence.	Date of death.	Cause of death.	By whom employed.
Goben, Frank.....	Miner.....	Viola.....	Oct.....	13 Falling rock.....	Essley Coal Co.
Goddard, T. J.....	Miner.....	Marion.....	Sept.....	23 Windy shot.....	Ward & Bennett
Green, Lynn.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Gulley, Robert.....	Timberman.....	Harrisburg.....	Dec.....	25 Gas explosion.....	Peabody Coal Co., No. 7.
Hartman, Charles.....	Miner.....	Moweaqua.....	Feb.....	25 Falling rock.....	Moweaqua Coal Mining Co.
Hartman, Leonard.....	Driver.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Hartsalle, John.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Henderson, Gaines.....	Miner.....	Peoria.....	Aug.....	17 Falling clod.....	Henderson & Kerrick.
Hickman, Ed.....	Loader.....	West Frankfort.....	Sept.....	17 Falling rock.....	C., W. & F. Coal Co., No. 2.
Hudson, Oliver.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Humble, Ernest.....	Repairman.....	Danville.....	Dec.....	15 Falling rock.....	Peabody Coal Co., No. 24.
Jacobs, Geo. L.....	Timberman.....	Peoria.....	Dec.....	17 Falling coal.....	Treasurer Coal Co.
Jackson, Thos.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Jurick, Joe.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Kapilla, Andy.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Kerin, George.....	Loader.....	Livingston.....	Oct.....	27 Falling rock.....	Livingston-Mt. Olive Coal Co.
Klein, Frank.....	Motorman.....	Collinsville.....	Mar.....	15 Falling coal.....	Lumachi Coal Co., No. 2.
Knappp, John.....	Miner.....	West Frankfort.....	Nov.....	3 Motor.....	C., W. & F. Coal Co., No. 2.
Kralenski, Leo.....	Miner.....	Springfield.....	Mar.....	16 Falling slate.....	Saugamon Coal Co., No. 2.
Krall, Joe.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Lewis, Thos.....	Miner.....	Mt. Olive.....	Feb.....	13 Falling slate.....	Consolidated Coal Co., No. 15.
Lindquist, Aug.....	Miner.....	Carbondale.....	Mar.....	17 Falling clod.....	Lewis & Eaton.
McAnally, Chas.....	Timberman.....	Livingston.....	Oct.....	14 Mining machine.....	Borders & Boezoll.
McCall, Chester.....	Miner.....	Marion.....	Jan.....	9 Fall off ladder.....	Old Ben Coal Corp., No. 18.
McDonald, Chas., Sr.....	Miner.....	Moweaqua.....	July.....	24 Gas explosion.....	Toy Wilson Coal Co.
McDonald, Chas., Jr.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
McDonald, Karl.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Miller, William.....	Miner.....	Harrisburg.....	Dec.....	22 Gas explosion.....	Moweaqua Coal Mining Co.
Mondino, John.....	Miner.....	Aug.....	Aug.....	22 Pit cars.....	Miller Coal Co.
Nanni, James.....	Loader.....	West Frankfort.....	Aug.....	31 Falling coal.....	Old Ben Coal Corp., No. 8.
Negri, Joe.....	Miner.....	Mark.....	Sept.....	6 Falling coal.....	Prairie State Coal Co.
Negri, Mike.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Oliver, Sam.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Ondes, George.....	Timberman.....	Marion.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Ozella, Frank, Jr.....	Miner.....	Moweaqua.....	Feb.....	10 Falling coal.....	Cosgrove-Meehan Coal Co., No. 1.
Peck, W.....	Trip rider.....	Johnston City.....	Dec.....	24 Gas explosion.....	Moweaqua Coal Mining Co.
Perkins, Frank.....	Ldg. machine operator.....	Gillespie.....	Mar.....	26 Pit cars.....	Old Ben Coal Corp., No. 18.
Phillips, Orville.....	Locomotive engineer.....	West Frankfort.....	Mar.....	21 Falling slate.....	Gillespie Coal Co.
Portwood, Joe.....	Trip rider.....	Canton.....	Mar.....	9 Jumped off engine.....	Peabody Coal Co., No. 18.
Portwood, Ross.....	Miner.....	Livingston.....	Dec.....	17 Pit car.....	Trux-Traer Coal Co.
Potsic, Andy.....	Miner.....	Moweaqua.....	Dec.....	24 Gas explosion.....	Livingston-Mt. Olive Coal Co.
					Moweaqua Coal Mining Co.

Potsic, Mike	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Reatherford, Roy	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Roff, Frank	Shot firer	Auburn	Mar.	23	Sufoction	Panther Creek Mine, No. 1.
Roff, Charles	Trackman	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Roff, James	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Rogillis, Mike	Driver	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Satiguna, Peter	Car pusher	Westville	Mar.	13	Loading machine	Mowesqua Coal Mining Co.
Shelton, Charles	Miner	Maryville	Dec.	21	Falling rock	Peabody Coal Co., No. 24.
Smith, Edward	Fireman	Marseilles	Dec.	8	Boiler explosion	Durlam & Shelton.
Spotti, Ed	Miner	Staunton	Jan.	14	Falling coal	Consolidated Coal Co., No. 15.
Stachle, Frank	Miner	Freeburg	Dec.	10	Falling rock	Power Coal Co.
Stone, Horace	Miner	Harrisburg	Nov.	15	Falling slate	O' Gara Coal Co., No. 1.
Strickland, Floyd	Trip rider	West City	Feb.	29	Motor	Peabody Coal Co., No. 19.
Supina, John	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Supina, John	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Sweet, L. H.	Miner	Thompsonville	Sept.	20	Struck by hook	C., W. & F. Coal Co., No. 2.
Swyer, Berne	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Swyer, Raymond	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Szloski, Sam	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Snorado, Andy	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Thompson, Hugh	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Tirpak, Mike	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Tirpak, Mike	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Walker, Fred	Driver	Carterville	Nov.	17	Pit cars	Mowesqua Coal Mining Co.
Ward, W. C.	Miner	Marion	Sept.	23	Windy shot	Peabody Coal Co., No. 25.
Welsch, A. D.	Miner	Danville	Dec.	26	Falling rock	Ward & Bennett.
Whitfield, Henry	Leader	Buckner	Feb.	8	Falling rock	Peabody Coal Co., No. 24.
Williams, W. B.	Miner	Pekin	Nov.	9	Pit cars	Old Ben Coal Corp., No. 14.
Woodring, Chas	Miner	Mowesqua	Dec.	24	Gas explosion	Crescent Mining Co., No. 6.
Yonkus, Chas	Miner	Mowesqua	Dec.	24	Gas explosion	Mowesqua Coal Mining Co.
Zagat, John	Miner	Springfield	Mar.	9	Falling slate	Mowesqua Coal Mining Co.
						Sangamon Coal Co., No. 2.

TABLE 51—FATAL ACCIDENTS, BY DISTRICTS AND CAUSES.

District.	Underground.						On surface.				Grand total.
	Fall of roof and sides.	Gas explosions.	Haulage.	Explosives.	Other causes.	Total.	Railway cars and locomotives.	Struck by objects.	Other causes.	Total.	
First.....	4					4	1		1	2	6
Second.....	3		1			4					4
Third.....	1					1	1			1	2
Fourth.....	4		2	2	1	9					9
Fifth.....	4				1	5	1			1	6
Sixth.....	3	54				57					57
Seventh.....	2		1		1	4				1	4
Eighth.....	1					1			1		2
Ninth.....	2					2	1	1		2	4
Tenth.....	6		3			9		1		1	10
Eleventh.....	2		1			3				3	3
Twelfth.....	1		2	2	1	6			1	1	7
Total.....	33	54	10	4	4	105	4	2	3	9	114

TABLE 52—FATAL ACCIDENTS, BY OCCUPATIONS AND CAUSES.

Occupation.	Underground.						On surface.				Grand total.
	Falls of roof and sides.	Gas explosions.	Haulage.	Explosives.	Other causes.	Total.	Railway cars and locomotives.	Struck by objects.	Other causes.	Total.	
Carpenter.....					1	1					1
Driver.....		6	1			7					7
Fireman.....									2	2	4
Laborer.....			1		1	2		2		2	4
Locomotive engineer.....							2			2	2
Loaders.....	5					5					5
Machinist.....					1	1	1			1	2
Machine man.....	7					7					7
Miner.....	16	45	3	3	1	68			1	1	69
Motor man.....		1	1			2					2
Repairman.....	1		1			2					2
Shotfirer.....				1		1					1
Timberman.....	3	1				4					4
Trackman.....	1	1				2	1			1	3
Trip rider.....			3			3					3
Total.....	33	54	10	4	4	105	4	2	3	9	114

TABLE 53—FATAL ACCIDENTS, BY MONTHS.

Month.	Districts—shipping mines.												Local mines.			
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	Eleventh.	Twelfth.	Total.	District.	Number killed.	Total fatalities.
January.....				1		1			1			1	4	4	1	5
February.....	1					1				2	1		6			6
March.....				3	1	1	1			1		1	8	9	1	9
April.....																
May.....														1	1	1
June.....																
July.....														12	1	1
August.....						2			1	2			5	2	1	7
September.....	1				1					2			4	11	1	7
October.....								1	1				2	1	1	4
November.....		1					1			1	1	1	5	3	1	5
December.....		1	1	3	2	54	1	1	1	2			66	2	1	69
Total.....	2	2	1	7	6	57	4	2	3	10	2	4	100		14	114

TABLE 54—NUMBER KILLED, NUMBER MARRIED, SINGLE, WIDOWS, CHILDREN, DEPENDENTS, TONS MINED AND NUMBER EMPLOYED TO ONE FATALITY, NUMBER KILLED PER 1,000,000 TONS MINED AND PER 1,000 EMPLOYED.

District.	Number killed.	Conjugal relations.					Tons mined to one killed.	Number employed to one killed.	Number killed.	
		Married.	Single.	Widows.	Children.	Dependents.			Per 1,000,000 tons mined.	Per 1,000 employed.
First.....	6	5	1	5	15	20	396,861	422	2.5	2.4
Second.....	4	3	1	3	5	8	308,769	626	3.2	1.6
Third.....	2	1	1	1	1	3	877,652	1,286	1.2	0.8
Fourth.....	9	5	4	5	8	13	427,469	823	2.3	1.2
Fifth.....	6	5	1	5	8	13	337,439	756	2.9	1.3
Sixth.....	57	36	21	36	73	118	46,407	88	21.6	11.4
Seventh.....	4	2	2	2	4	7	350,186	671	2.9	1.5
Eighth.....	2	1	1	1	---	1	1,131,718	1,747	0.9	0.6
Ninth.....	4	3	1	3	12	16	1,263,942	975	0.8	1.0
Tenth.....	10	9	1	9	15	25	706,436	944	1.4	1.1
Eleventh.....	3	3	---	3	---	3	830,953	1,429	1.2	0.7
Twelfth.....	7	6	1	6	16	23	276,440	455	3.6	2.2
Total.....	114	79	35	79	157	250	299,305	452	3.3	2.2

TABLE 55—CAUSE OF FATAL ACCIDENTS BY YEARS—1882-1932.

Year.	Total number killed.	Underground.						In shaft.			On surface.			
		Falls of roof and sides.	Gas explosives.	Haulage.	Electricity.	Explosives.	Other causes.	Falling down shaft.	Cage.	Other causes.	Machinery.	Railway cars.	Other causes.	Total.
1882	40	26				5	9	40						
1883	134	40	12	2		2	a 78	134						
1884	46	29	4			6	7	46						
1885	39	20					b 19	39						
1886	52	32		5		10		47	1	4				
1887	41	28					b 13	41						
1888	55	33		6		9		48	4	2				
1889	42	26		5		3	1	35		1				
1890	53	36	5	3		4		48		4				
1891	60	33	4	2		11	1	51	1	4	2			
1892	57	28	3	6		4	3	44	3	4	12			
1893	69	48	2	2		8	2	60	3	4	1			
1894	72	43	1	6		8		57	3	8	13			
1895	75	38	5	6		12	2	63	5	4	10	1		
1896	77	41	2	9		9	2	63	6	5	11	1	1	3
1897	69	46	2	1		11		60	6	1	7	1	1	3
1898	75	43	7	3		11	2	66	4	2	6	1	1	3
1899	84	51	5	6		6	6	74	4	5	9	1		4
1900	94	51	1	11		20		83	1	4	7	2	2	1
1901	99	57	1	14		20	3	95	1	1	2		2	2
1902	99	55		15		17	1	88	7	2	9		2	2
1903	156	77	8	18	1	41	2	147	2	6	8		1	1
1904	157	65		21	1	44	3	134	10	4	14	6	2	1
1905	199	80	59	11	1	32	3	186	5	6	1	12	1	1
1906	155	84	2	22		22	1	131	9	5	1	15	3	9
1907	165	84	4	29	1	25	2	145	6	8	14	4	2	6
1908	183	91	7	35	1	29	1	164	3	1	7	4	8	12
1909	213	84	44	30	2	29	1	190	5	4	1	10	3	13
1910	406	65	20	23	3	17	258	386	3	6	9	3	5	11
1911	157	80	8	40	1	10	4	143	5	2	9	2	3	5
1912	180	98	3	38	3	13	12	167	6	3	9		2	4
1913	173	81	10	50	6	10	5	162	5	4	1	10	2	3
1914	159	83	6	40	6	6	7	148	2	1	3	4	4	8
1915	180	57	68	27	2	9	12	175	1	2	3	2	2	2
1916	165	80	12	43	4	13	1	153	4		4	2	6	8
1917	207	77	19	67	7	12	3	185		4	1	5	9	17
1918	259	100	27	70	13	20	4	234	8	8	2	18	4	7
1919	208	93	31	51	7	12	1	195	4	4	2	10	2	3
1920	181	91	7	41	14	9	5	167	8	2	10	1	2	4
1921	222	112	6	54	9	20	8	209	2	4	6	1	4	7
1922	159	71	15	29	8	17	7	147	2	1	3	6	5	6
1923	161	82	2	40	6	13	6	149	3	1	5	4	3	7
1924	184	76	40	37	5	10	8	176	2	2	4	2	2	4
1925c	183	89	5	46	12	11	9	172	1	2	3	3	2	8
1926	165	85	13	39	5	7	4	153	7	1	9	1	1	5
1927	106	44	17	18	5	5	8	97	3	1	4	2	1	3
1928	139	72	23	21	2	6	5	129	1	1	2	1	4	8
1929	109	52	8	24	5	6	5	100	1	2	3	2	2	6
1930	112	72	4	20	3	2	5	106		1	1	2	2	5
1931	90	54	2	15	6	2	5	84		4		1	1	2
1932	114	33	54	10		4	4	105				4	5	9

a. Sixty-nine men were drowned in the Braidwood mine disaster.

b. Other causes not classified.

c. From July 1, 1924 to December 31, 1925.

TABLE 56—SUMMARY OF METHODS OF LOADING IN MINES WHERE FATALITIES OCCURRED.

Coal loaded by—	Number.		Tons mined.	Number employed.	Tons mined to one killed.	Employees to one killed.	Percentage of—		
	Mines.	Killed.					Killed.	Tons.	Men.
Machine exclusively.....	9	15	4,273,448	5,472	284,897	365	15.0	37.9	34.3
Hand exclusively.....	14	71	3,130,960	6,236	44,098	88	71.0	27.8	39.1
Hand and machine.....	6	10	2,407,235	3,794	240,723	379	10.0	21.4	23.8
Strip mines.....	4	4	1,456,563	441	364,141	110	4.0	12.9	2.8
Total.....	33	100	11,268,206	15,943	112,682	159	100.0	100.0	100.0

TABLE 57—MINE DISASTERS WHERE MORE THAN TWO MEN WERE KILLED.

Date.	Name of operator.	Location of mine.	Cause.	Number killed.
Feb. 16, 1883	Wilmington C. M. & Mfg. Co.	Braidwood	Drowned	69
1883	Coulterville Coal Co.	Coulterville	Gas explosion	10
Oct. 13, 1902	Victor Coal Co.	Pawnee	Blast explosion	3
Feb. 25, 1903	Auburn & Alton Coal Co.	Auburn	Blast explosion	3
Mar. 13, 15,				
16, 1903	Cardiff Coal Co.	Cardiff	Gas explosion	9
Mar. 23, 1903	Athens Coal Co.	Athens	Blast explosion	6
Mar. 31, 1903	Sandoval Coal Co.	Sandoval	Blast explosion	8
May 11, 1904	Big Muddy Coal & Iron Co.	Herrin	Powder explosion	10
Dec. 9, 1904	Eldorado Coal Co.	Eldorado	Blown-out shot	4
Jan. 16, 1905	Decatur Coal Co.	Decatur	Suffocation—mine fire	50
Apr. 3, 1905	Zeigler Coal Co.	Zeigler	Gas explosion	6
Dec. 22, 1906	Breese-Trenton Mining Co.	Breese	Falling cage	6
Jan. 29, 1907	Johnston City B. M. C. Co.	Johnston City	Powder explosion	7
Sept. 7, 1907	Dering Coal Co., No. 11	West Frankfort	Gas explosion	4
Oct. 6, 1908	Harrisburg & Southern Coal Co.	Grayson	Powder explosion	3
Nov. 5, 1908	W. P. Rend Coal Co.	Rend	Gas explosion	4
Nov. 19, 1908	Benton Coal Co.	Benton	Gas explosion	3
Dec. 12, 1908	W. P. Rend Coal Co.	Rend	Gas explosion	3
Jan. 10, 1909	Zeigler Coal Co.	Zeigler	Gas explosion	26
Feb. 9, 1909	Zeigler Coal Co.	Zeigler	Gas explosion	3
Feb. 16, 1909	Dering Coal Co., No. 18	West Frankfort	Gas explosion	4
Nov. 13, 1909	St. Paul Coal Co., No. 2	Cherry	Mine fire	256
Dec. 23, 1909	Chicago & Carterville Coal Co.	Herrin	Gas explosion	8
Dec. 27, 1909	Centralia Coal Co.	Centralia	Gas explosion	4
Nov. 14, 1910	Shoal Creek Coal Co.	Panama	Gas explosion	6
Feb. 13, 1911	Saline County Coal Co.	Harrisburg	Falling bucket	4
Oct. 21, 1911	O'Gara Coal Co., No. 9	Harrisburg	Suffocated, after damp	8
Jan. 15, 1913	Crescent Coal Co.	Peoria	Suffocated, after damp	3
Feb. 19, 1913	Eldorado Coal & Mining Co.	Eldorado	Gas explosion	4
Oct. 27, 1914	Franklin Coal & Coke Co., No. 1	Royalton	Gas explosion	52
Apr. 5, 1915	Shoal Creek Coal Co.	Panama	Gas explosion	11
July 27, 1915	United Coal Co., No. 1	Christopher	Gas explosion	8
Dec. 8, 1916	Johnston City Coal Co.	Johnston City	Mine fire	3
May 12, 1917	Saline County Coal Co., No. 6	Grayson	Gas explosion	4
June 2, 1917	W. P. Rend C. & C. Co.	Herrin	Gas explosion	9
Sept. 17, 1917	C. W. & F. Coal Co., No. 1	Orient	Falling cage	5
Nov. 29, 1917	Old Ben Coal Corp., No. 11	Christopher	Gas explosion	17
Dec. 5, 6, 1917	Bell & Zoller Coal Co., No. 1	Zeigler	Gas explosion	3
Feb. 22, 1918	Citizens Coal Co., A.	Springfield	Dust explosion	4
Feb. 22, 1918	C. W. & F. Coal Co., Royal	Virden	Powder explosion	4
June 29, 1918	O'Gara Coal Co., No. 8	Eldorado	Suffocated by gas	3
Sept. 28, 1918	Franklin Coal & Coke Co.	Royalton	Gas explosion	21
May 12, 1919	Marion County Coal Co.	Centralia	Gas explosion	4
June 6, 1919	Old Ben Coal Corp., No. 10	Christopher	Gas explosion	3
Feb. 14, 1921	O'Gara Coal Co., No. 8	Eldorado	Gas explosion	3
Feb. 23, 1921	Centralia Coal Co.	Centralia	Windy shot	3
Feb. 23, 1921	Union Col. Co.	Dowell	Mine fire	7
Aug. 31, 1921	Harrisburg Col. Co.	Hareo	Gas explosion	12
Feb. 21, 1922	Springfield Dist. C. M. Co., No. 58	Taylorville	Shot explosion	3
Sept. 29, 1922	Consolidated Coal Co., L. C.	Johnston City	Gas explosion	5
Dec. 6, 1923	Aluminum Ore Co.	Belleville	Drowned	3
Jan. 25, 1924	Crerar-Clinch Coal Co.	Johnston City	Gas explosion	33
Sept. 26, 1925	Consolidated Coal Co., No. 7	Herrin	Gas explosion	3
Jan. 29, 1926	C. W. & F. Coal Co., No. 2	West Frankfort	Gas explosion	5

TABLE 57—Concluded.

Date.	Name of operator.	Location of mine.	Cause.	Number killed.
Mar. 30, 1927	Saline County Coal Corp., No. 2.....	Ledford.....	Gas explosion.....	8
Dec. 30, 1927	Cosgrove-Meehan Coal Co., No. 1.....	Johnston City.....	Gas explosion.....	7
Jan. 9, 1928	Peabody Coal Co., No. 18.....	West Frankfort.....	Gas explosion.....	21
Dec. 1, 1929	Old Ben Coal Corp., No. 8.....	West Frankfort.....	Gas explosion.....	7
Mar. 18, 1930	Valier Coal Co.....	Valier.....	Gas explosion.....	4
Oct. 3, 1931	Rennie Bros.....	Chesterfield.....	Falling cage.....	3
Dec. 24, 1932	Moweaqua Coal Co.....	Moweaqua.....	Gas explosion.....	54

TABLE 58—TONS OF COAL MINED, NUMBER EMPLOYED, NUMBER KILLED AND INJURED, TONS MINED TO ONE MAN KILLED AND INJURED, AND RATIOS PER 1,000 EMPLOYED, AND PER 1,000,000 TONS MINED—1882-1932. INJURIES INVOLVING A LOSS OF 30 OR MORE DAYS TIME.

Year.	Tons mined.	Number employed.	Accidents.		Tons mined to one man.		Accidents.			
			Fatal.	Non-fatal.	Killed.	Injured.	Per 1,000 employed.		Per 1,000,000 tons mined.	
							Fatal.	Non-fatal.	Fatal.	Non-fatal.
1882.....	9,115,661	20,290	40	50	227,892	182,313	2.0	2.5		
1883.....	10,508,785	23,939	134	231	78,424	45,403	5.6	9.1	12.8	22.0
1884.....	10,101,004	25,575	46	197	219,587	51,274	1.8	7.7	4.6	19.5
1885.....	9,791,874	25,946	39	147	251,074	60,611	1.5	5.7	4.0	15.0
1886.....	9,246,435	25,846	52	171	177,816	54,073	2.0	6.6	5.6	18.5
1887.....	10,278,890	26,804	41	180	250,905	57,105	1.5	6.7	4.0	17.5
1888.....	11,855,188	29,410	55	179	215,549	66,230	1.9	6.1	4.7	15.1
1889.....	11,597,963	30,076	42	201	276,142	57,701	1.4	6.7	3.6	17.3
1890.....	12,638,364	28,574	53	294	238,460	42,988	1.9	10.3	4.2	23.4
1891.....	15,600,698	32,951	60	367	261,012	42,672	1.9	11.1	3.9	23.4
1892.....	17,862,576	33,632	57	370	313,373	48,276	1.7	11.0	3.2	20.7
1893.....	19,949,564	35,390	69	403	289,124	49,502	1.9	11.4	3.5	20.2
1894.....	17,113,576	38,477	72	521	237,690	32,848	1.9	13.5	4.2	30.4
1895.....	17,735,864	38,630	75	605	236,478	29,315	1.9	15.7	4.2	34.1
1896.....	19,786,626	37,032	77	672	256,969	29,444	2.1	18.1	3.9	34.0
1897.....	20,072,758	33,788	69	518	290,909	38,750	2.0	15.3	3.4	25.8
1898.....	18,599,299	35,026	75	438	247,991	42,464	2.1	12.5	4.0	23.5
1899.....	23,434,445	36,901	84	597	278,981	39,254	2.3	16.2	3.6	25.5
1900.....	25,153,929	39,384	94	611	267,559	41,168	2.4	15.5	3.7	24.3
1901.....	26,685,319	44,143	99	422	269,549	63,235	2.2	9.6	3.8	15.8
1902.....	30,021,300	46,003	99	406	303,245	73,944	2.2	8.8	3.3	13.5
1903.....	34,955,400	49,814	156	410	224,073	85,257	3.1	8.2	4.5	11.7
1904.....	37,077,897	54,774	157	507	236,165	73,132	2.9	9.3	4.2	13.7
1905.....	37,183,374	59,230	199	535	185,852	69,502	3.4	9.0	5.4	14.4
1906.....	38,317,581	62,283	155	480	247,210	79,828	2.5	7.7	4.0	12.5
1907.....	47,798,621	66,714	165	636	289,689	75,155	2.5	9.5	3.5	13.3
1908.....	49,272,436	70,841	183	819	269,248	60,162	2.6	11.6	3.7	16.6
1909.....	49,163,710	72,733	213	894	230,816	54,993	2.9	12.3	4.3	18.2
1910.....	48,717,853	74,634	406	742	119,995	65,657	5.4	9.9	8.3	15.2
1911.....	50,165,099	77,410	157	709	319,523	70,755	2.0	9.2	3.1	14.2
1912.....	57,514,240	79,411	180	800	315,524	71,893	2.3	10.7	3.1	13.9
1913.....	61,846,204	79,497	175	1,025	353,407	60,338	2.2	12.9	2.8	16.2
1914.....	60,715,795	80,035	159	1,079	381,860	56,691	2.0	13.4	2.6	17.6
1915.....	57,601,694	75,607	180	1,013	320,009	56,870	2.4	13.4	3.1	17.6
1916.....	63,673,530	75,919	165	1,305	385,900	48,792	2.2	17.2	2.6	20.5
1917.....	78,983,517	80,893	207	1,634	381,563	48,338	2.6	20.2	2.6	20.7
1918.....	89,979,469	91,372	259	2,161	347,411	41,638	2.8	23.7	2.9	24.0
1919.....	75,099,784	90,897	208	2,620	361,057	28,664	2.3	28.8	2.8	34.9
1920.....	73,920,653	88,192	181	3,571	408,401	20,700	2.5	40.5	2.4	48.3
1921.....	80,121,948	95,763	222	4,327	360,910	18,517	2.3	45.2	2.8	54.0
1922.....	63,276,827	98,090	159	3,879	397,962	16,315	1.6	39.5	2.5	61.3

TABLE 58—Concluded.

Year.	Tons mined.	Number employed.	Accidents.		Tons mined to one man.		Accidents.			
			Fatal.	Non-fatal.	Killed.	Injured.	Per 1,000 employed.		Per 1,000,000 tons mined.	
							Fatal.	Non-fatal.	Fatal.	Non-fatal.
1923.....	75,514,095	103,566	161	3,615	469,032	20,889	1.6	34.9	2.1	47.9
1924.....	72,308,665	99,765	184	3,895	392,982	18,565	1.8	39.0	2.5	53.9
1925.....	103,186,166	81,684	183	4,712	563,859	21,713	2.4	57.7	1.8	46.0
1926.....	69,813,255	77,732	165	3,083	423,111	22,642	2.1	39.7	2.4	44.2
1927.....	46,949,700	78,572	106	1,398	442,922	33,583	1.3	18.0	2.3	29.8
1928.....	56,211,082	65,508	139	2,176	404,396	25,832	2.1	33.2	2.5	38.7
1929.....	61,127,759	58,596	109	2,392	560,805	25,556	1.9	40.8	1.8	39.1
1930.....	54,035,116	56,011	112	1,649	482,456	32,768	2.0	29.4	2.1	30.5
1931.....	45,152,623	53,550	90	1,530	501,696	29,512	1.7	28.6	2.0	33.9
1932.....	34,120,786	51,554	114	951	299,305	35,879	2.2	18.4	3.3	27.9

TABLE 59—SHIPPING MINES IN WHICH FATALITIES OCCURRED—SHOWING NUMBER KILLED, OUTPUT OF MINES, NUMBER EMPLOYED, RATIO OF FATALITIES PER OUTPUT AND EMPLOYEES, METHOD OF MINING, UNDERGROUND HAULAGE, LOADING, ETC.

District.	Operator.	Number.		Tons mined to one fatality.	Em- ployees to one man killed.	Mining.	Haulage.	Loading.	Lights.	Rock dust.
		Killed.	Tons mined.			Hand, machine, both.				
10	Chicago, Wilmington & Franklin Coal Co., No. 2.	4	1,061,576	1,218	304	Machine	Motor	Machine	Closed	Yes
6	Consolidated Coal Co., No. 15.	2	475,442	566	283	Machine	Motor	Machine	Open	No
12	Cogrovo-Medlin Coal Co., No. 1.	1	160,464	313	313	Machine	Both	Machine	Closed	Yes
9	Cerrach-Olini Coal Co., No. 14.	1	398,925	640	640	Both	Both	Both	Both	Yes
2	Crescent Mining Co., No. 6.	2	420,906	552	276	Machine	Both	Hand	Open	No
6	Gillespie Coal Co.	1	206,612	195	195	Machine	Both	Machine	Open	No
7	Livingston & Mt. Olive Coal Co.	2	133,145	360	180	Both	Motor	Hand	Open	No
7	Lumaghi Coal Co., No. 2.	1	278,389	334	139,194	Machine	Both	Both	Open	No
4	Mine B Coal Co.	1	225,567	463	225,567	Hand	Both	Hand	Open	No
6	Mowenqua Coal Co.	54	37,333	109	691	Machine	Both	Hand	Open	No
11	O'Gara Coal Co., No. 1.	1	356,854	628	356,854	Machine	Both	Hand	Open	No
10	Old Ben Coal Corp., No. 8.	1	635,821	598	635,821	Machine	Motor	Machine	Open	Yes
10	Old Ben Coal Corp., No. 14.	1	197,425	727	197,425	Machine	Motor	Machine	Closed	Yes
12	Old Ben Coal Corp., No. 18.	2	625,216	739	312,608	Machine	Motor	Machine	Open	Yes
4	Panther Creek Mines, No. 1.	2	115,731	698	57,865	Both	Motor	Hand	Open	No
4	Peabody Coal Co., No. 7.	1	490,088	446	349	Machine	Motor	Machine	Open	Yes
10	Peabody Coal Co., No. 18.	2	420,804	670	210,402	Machine	Motor	Machine	Closed	Yes
10	Peabody Coal Co., No. 19.	1	453,490	678	453,490	Machine	Both	Hand	Closed	Yes
5	Peabody Coal Co., No. 24.	4	553,010	441	138,252	Both	Both	Both	Open	No
12	Peabody Coal Co., No. 25.	1	200,864	305	200,864	Both	Motor	Hand	Open	No
11	Peabody Coal Co., No. 47.	1	423,737	870	423,737	Machine	Both	Both	Closed	Yes
4	Peabody Coal Co., No. 53.	1	122,556	317	122,556	Machine	Both	Both	Open	Yes
4	Peabody Coal Co., No. 57.	1	142,020	148	142,020	Hand	Both	Hand	Open	Yes
8	Power Coal Co.	2	25,940	65	12,973	Hand	Mule	Hand	Open	No
7	Prairie State Coal Co.	1	104,555	422	104,555	Hand	Both	Hand	Open	No
3	Saugamon Coal Co., No. 2.	1	160,596	353	160,596	Hand	Both	Hand	Open	No
9	Truax-Truax Coal Co., No. 1.	1	343,639	73	343,639	Strip mine	Both	Strip mine	Open	No
9	Truax-Truax Coal Co., No. 1.	1	382,500	144	382,500	Strip mine	Both	Strip mine	Open	No
9	Truax-Truax Coal Co., No. 2.	1	420,506	118	420,506	Strip mine	Both	Strip mine	Open	No
1	Union Coal Co.	1	132,155	240	132,155	Hand	Both	Hand	Open	No
5	United Electric Coal Co., No. 1.	1	309,918	106	309,918	Strip mine	Both	Strip mine	Open	No
5	U. S. Fuel Co., Bun.	1	541,655	1,768	541,655	Both	Motor	Both	Open	Yes
10	Valley Coal Co.	1	710,761	629	710,761	Machine	Motor	Both	Closed	Yes

TABLE 60—NON-FATAL ACCIDENTS, BY DISTRICTS.

District.	Number injured.	Number not returned.	Days lost by men returned.		Loss of 7 but less than 30 days.			Loss of 30 or more days.			Month in which accident occurred.	
			Total.	Average.	Number injured.	Days lost.		Number injured.	Days lost.		Month.	Number injured.
						Total.	Average.		Total.	Average.		
First.....	119	9	2,977	27	78	1,137	15	32	1,840	57	January.....	326
Second.....	102	11	3,372	37	51	847	17	40	2,525	63	February.....	343
Third.....	70	3	1,988	30	41	696	17	26	1,292	50	March.....	459
Fourth.....	341	27	8,717	28	209	3,356	16	105	5,361	51	April.....	34
Fifth.....	145	16	4,174	32	73	1,253	17	56	2,921	52	May.....	53
Sixth.....	191	20	5,702	33	93	1,321	14	78	4,381	56	June.....	45
Seventh.....	134	13	3,465	28	71	1,011	14	50	2,454	49	July.....	32
Eighth.....	84	13	1,828	26	51	880	17	20	948	47	August.....	161
Ninth.....	126	12	3,289	29	72	1,077	15	42	2,212	53	September.....	204
Tenth.....	624	19	19,422	32	375	5,652	15	230	13,770	60	October.....	324
Eleventh.....	298	37	8,745	33	121	1,794	15	140	6,951	50	November.....	333
Twelfth.....	190	7	5,250	29	120	1,828	15	63	3,422	54	December....	329
Shipping mines.....	2,424	187	68,929	31	1,355	20,852	16	882	48,077	55		
Local mines.....	219	22	5,571	28	128	1,880	15	69	3,691	53		
Total.....	2,643	209	74,500	31	1,483	22,732	15	951	51,768	54		2,643

TABLE 61—SUMMARY—TOTAL TONNAGE AND GRADED OUTPUT OF SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE.

District.	Number of —				Total tons produced.	Graded output in tons.									
	Coun- ties.	Mines oper- ated.	Mines idle.	Mines in district.		Lump.	Furnace.	Small egg.	Stove.	Chest- nut.	Pea.	Carbon.	Screen- ings.	Mine- run.	Waste and loss in preparing.
First.....	4	5	1	6	1,867,943	224,670	346,680	191,259	73,082	108,569	57,852	---	564,128	170,866	130,837
Second.....	2	8	---	8	1,853,301	164,538	60,406	4,966	---	---	---	---	229,209	392,878	1,094
Third.....	3	7	---	7	1,355,264	276,401	433,197	97,130	55,175	---	---	---	367,213	107,142	18,988
Fourth.....	1	16	16	34	3,597,269	592,447	662,831	421,630	44,836	12,824	29,837	19,914	1,254,604	485,056	73,290
Fifth.....	3	1	6	7	1,674,828	199,848	340,390	80,755	---	---	---	---	536,001	499,320	18,514
Sixth.....	3	12	10	22	2,594,413	1,314,828	367,875	42,726	44,608	8,009	2,792	---	711,040	87,434	15,101
Seventh.....	3	12	4	16	1,320,089	317,174	236,344	132,813	42,114	7,815	---	---	464,704	87,448	31,587
Eighth.....	3	20	6	36	1,905,835	560,407	335,152	76,724	79,383	---	6,252	46	569,233	252,678	25,960
Ninth.....	4	22	6	28	4,932,338	558,428	533,156	390,177	192,203	62,333	9,786	19,042	1,155,180	1,958,103	53,430
Tenth.....	1	14	12	26	7,064,359	958,042	1,140,024	729,609	284,068	234,630	167,048	444,322	2,384,137	559,016	163,463
Eleventh.....	2	10	8	18	2,429,050	294,124	453,528	347,089	115,314	73,039	31,315	63,952	929,725	88,096	32,888
Twelfth.....	1	18	8	26	1,807,728	217,924	236,619	169,517	101,425	20,879	27,598	61,627	613,770	314,079	44,290
Total.....	29	162	a 72	234	31,402,399	5,678,831	5,146,202	2,684,375	1,032,418	528,098	332,480	608,903	9,779,034	5,002,116	609,942
Local mines.....	44	931	---	931	2,718,387	---	---	---	---	---	---	---	2,718,387	---	---
All mines.....	54	1,093	---	1,165	34,120,786	5,678,831	5,146,202	2,684,375	1,032,418	528,098	332,480	608,903	9,779,034	7,720,503	609,942

a Including five mines operated as local mines.

TABLE 62.—SUMMARY—DISPOSITION OF OUTPUT OF SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE.

District.	Total tons mined.	Disposition of output—						Tons disposed of otherwise.	Per cent of tonnage handled.	
		Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to local motives.	Tons sold to trade.	Tons consumed at the mine.	All coal not sold including waste.		By railroads.	Otherwise.
First.....	1,867,943	1,149,889	441,621	1,210	135,218	9,002	131,003	275,223	85.3	14.7
Second.....	853,301	256,585	457,672	-----	133,582	4,568	894	139,044	83.7	16.3
Third.....	1,355,246	623,224	655,705	-----	52,938	3,876	19,503	76,317	94.4	5.6
Fourth.....	3,597,269	2,609,855	515,139	25,439	335,996	35,095	75,745	446,836	87.6	12.4
Fifth.....	1,674,828	1,080,316	537,944	608	24,624	12,444	18,892	55,960	96.7	3.3
Sixth.....	2,594,413	926,678	1,501,096	-----	93,112	62,391	11,136	166,639	93.6	6.4
Seventh.....	1,320,089	921,237	139,658	-----	187,256	44,528	27,110	1,061,105	80.4	19.6
Eighth.....	1,905,835	998,529	273,435	22,933	527,942	51,556	31,440	610,938	67.9	32.1
Ninth.....	4,932,338	2,730,663	1,987,474	54,215	61,706	53,519	54,761	169,986	96.6	3.4
Tenth.....	7,064,359	4,833,878	1,832,062	-----	39,028	81,301	278,060	398,389	94.4	5.6
Eleventh.....	2,429,050	1,939,091	308,089	-----	110,536	38,446	32,888	2,247,180	92.5	7.5
Twelfth.....	1,807,728	1,237,536	467,150	-----	18,796	23,148	61,098	1,704,686	94.3	5.7
Total.....	31,402,399	19,297,481	9,117,375	104,405	1,730,734	419,874	742,530	2,883,138	90.8	9.2
Local mines.....	2,718,387	-----	-----	-----	2,633,593	62,350	22,079	2,718,387	-----	100.0
All mines.....	34,120,786	19,297,481	9,117,375	104,405	4,354,602	482,224	764,609	5,601,525	83.6	16.4

TABLE 63—SUMMARY—MECHANICAL LOADING MACHINES, METHODS OF LOADING, ACCIDENTS, RATIOS AND PROPORTIONS
—SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE.

District.	Mechanical loaders.			Tons loaded.			Per cent of tons loaded.			Accidents.		Employees to one—		Tons mined to one—		To 1,000 employees.		To 1,000,000 tons mined.	
	Loading machines.	Conveyors.	Total.	Mechanically.	By hand.	Strip mines.	Mechanically.	By hand.	Strip mines.	Fatal.	Non-fatal.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.		
First.	9			56,599	274,864	1,593,079	---	14.7	85.3	2	119	543	9.1	933,971	15,697	109.6	1.1	63.7	
Second.				2	796,702		6.6	93.4		2	102	774	15.2	420,650	8,366	1.3	65.9	2.3	119.5
Third.		2		4,169	606,741	744,336	3	44.8	54.9	1	70	1,260	18.0	1,355,246	19,361	1.8	55.6	1.7	51.7
Fourth.	40			1,930,315	1,666,954		53.7	46.3		7	341	985	20.2	513,896	10,549	1.0	49.5	1.9	94.8
Fifth.	12	30	42	577,357	737,570	359,892	34.5	44.0	21.5	6	145	547	22.6	279,138	11,551	1.8	44.2	3.6	86.6
Sixth.	19	623	642	2,475,056	119,357		95.4	4.6		57	191	83	24.7	45,516	13,583	12.7	40.4	22.0	73.6
Seventh.	13	130	143	868,085	452,004		65.8	34.2		4	134	628	18.8	330,022	9,851	1.6	53.3	3.0	101.5
Eighth.	28	69	97	815,936	842,368	247,531	42.8	44.2	13.0	2	84	1,443	34.4	952,917	22,688	1.7	29.1	1.0	44.1
Ninth.	33	10	43	914,429	629,373	3,388,536	18.5	12.8	68.7	3	126	1,188	28.3	1,644,113	39,146	1.8	35.4	1.6	25.5
Tenth.	111	573	684	5,312,097	1,752,262		75.2	24.8		10	624	944	15.1	706,436	11,351	1.1	66.1	1.4	88.3
Eleventh.	22	117	139	819,603	1,324,122	285,325	33.7	54.5	11.8	2	298	2,032	13.6	1,214,525	8,151	1.5	73.3	1.8	122.7
Twelfth.	15	255	270	1,639,010	159,189	9,529	90.6	8.8	0.6	4	190	704	14.8	451,932	9,514	1.4	67.4	2.2	105.1
Total.	302	1,978	2,280	15,412,656	9,361,515	6,628,228	49.0	29.8	21.2	100	2,424	441	18.2	314,024	12,955	2.3	55.0	3.2	77.2
Local mines.					2,589,658	128,729	---	95.3	4.7	14	219	534	34.2	104,170	12,413	1.9	29.3	5.1	80.6
All mines.	302	1,978	2,280	15,412,656	11,951,173	6,756,957	45.2	35.0	19.8	114	2,643	452	19.5	377,834	12,884	2.2	51.3	3.3	77.5

TABLE 64.—SUMMARY—EMPLOYEES, TIME WORKED, EXPLOSIVES USED, MINING MACHINES, METHODS OF MINING, HAULAGE—NUMBER OF MOTORS AND MULES USED—SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE.

District.	Employees.			Average days worked.	Explosives used in blasting coal.				Number of mining machines used.	Mined by—			Haulage.	
	Under-ground.	On surface.	Total.		Powder, kegs.	Pellet powder, pounds.	Dynamite, pounds.	Permissibles, pounds.		Hand.	Machine.	Stripping.	Motors, number.	Mules, number.
First.....	711	375	1,086	231	4,654	33,975	3,350	60,300	5	142,709	132,155	1,543,079	1	78
Second.....	1,402	86	1,548	113	10,624	1,501	23,650	6,650	49	67,387	735,914	—	20	128
Third.....	1,014	246	1,260	122	11,233	1,463,200	14,400	13,750	42	63,422	537,483	744,336	15	44
Fourth.....	6,110	785	6,895	91	57,084	298,325	—	121,600	113	1,345,755	2,251,514	—	148	277
Fifth.....	2,894	387	3,281	135	2,663	199,800	—	209,150	81	18,636	1,286,240	359,892	41	72
Sixth.....	4,247	477	4,724	91	3,074	146,846	50	50,925	81	7,812	1,247,509	—	132	74
Seventh.....	2,241	272	2,513	120	3,382	355,225	—	10,050	69	72,380	923,423	247,551	35	109
Eighth.....	2,439	447	2,886	96	28,948	355,225	11,150	609,511	61	734,881	1,478,473	3,388,536	70	96
Ninth.....	2,328	1,235	3,563	109	4,295	197,150	—	224,500	89	65,329	7,064,359	—	380	76
Tenth.....	8,075	1,366	9,441	110	—	86,575	65,000	104,525	299	—	1,478,473	285,325	140	133
Eleventh.....	3,498	566	4,064	108	154	130,225	—	138,675	185	27,747	2,115,978	—	89	88
Twelfth.....	2,381	436	2,817	89	1,399	—	—	—	70	62,654	1,735,545	—	—	—
Total.....	37,400	6,678	44,078	107	127,530	2,913,822	117,600	1,669,636	1,144	2,608,472	22,165,199	6,628,228	1,117	1,418
Local mines.....	6,230	1,246	7,476	127	88,248	26,900	8,150	—	102	1,553,150	1,036,508	128,729	a	a
All mines.....	43,630	7,924	51,554	124	215,778	2,940,722	125,750	1,669,636	1,246	4,162,122	33,201,707	6,756,957	1,117	1,418

a Not reported.

REPORT OF STATE INSPECTORS.

FIRST DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the First Inspection District, comprising the coal producing counties of Bureau, Grundy, Henry, LaSalle, Livingston, Mercer, Putnam, Rock Island and Will, for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	9
Number of shipping mines	5
Number of local mines.....	108
Number of employees underground	2,061
Number of employees on surface.....	471
Total number employed.....	2,532
Tons of coal produced in shipping mines.....	1,867,943
Tons of coal produced in local mines.....	513,222
Tons of coal produced, total.....	2,381,165
Days operated, shipping mines, average.....	231
Days operated, local mines, average.....	133
Number of undercutting machines.....	19
Tons undercut.....	324,700
Tons mined by hand.....	421,149
Tons mined in strip mines.....	1,635,316
Number of loading machines used.....	.....
Tons loaded mechanically.....	.....
Number of fatal accidents.....	6
Number of non-fatal accidents.....	162
Number of employees to each fatality.....	422
Number employed to each non-fatal accident.....	15.6
Tons of coal mined to each fatality.....	396,861
Tons mined to each non-fatal accident.....	14,700
Number of fatalities per 1,000 employed.....	2.37
Number injured per 1,000 employed.....	64.0

Illinois Zinc Company operated as a local mine.

FATAL ACCIDENTS.

February 6, Thomas H. Coughlin, machinist, age 46 years, married, died from injuries received three days earlier at the mine of the Union Coal Company. Deceased was helping load a railroad car and, while placing chunk of coal, a piece broke in his hands, causing him to lose

his balance, and he fell to the ground, sustaining injuries which caused his death. He leaves a widow and three children.

May 20, William Baird, miner, age 44 years, married, died from injuries received April 29 in M. & H. Zinc Company's mine when struck by a piece of rock falling from the roof. He leaves a widow.

September 6, Frank Gergovich, miner, age 57 years, married, was killed by a fall of rock in Matthiessen and Hegeler Zinc Company's mine. He leaves a widow and one child.

September 6, James Nanni, miner, age 20 years, single, was killed by a fall of coal in Prairie State Coal Company's mine.

October 13, Fred Goben, miner, age 47 years, married, was killed by a fall of rock in Essley Coal Company's mine. He leaves a widow and eight children.

December 8, Edward Smith, fireman, age 49 years, married, was killed when engine blew up at Smith Bros.' mine. He leaves a widow and three children.

Respectfully submitted,

PETER FALETTI, *Inspector.*

BUREAU COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Cherry Coal Co.	Cherry	11,400				10,070
2	Joe Clark	Mineral	1,600				1,600
3	Mapes & Gorey	Mineral	1,378				1,368
4	Oscar Carlson	Mineral	1,200				1,200
5	Gilbert Pollock	Sheffield	1,054				814
Total 5 mines			16,632				15,052

GRUNDY COUNTY

LOCAL MINES.							
1	Wright Bros. Coal Co.	Verona	26,341				26,341
2	Skinner Coal Co.	S. Wilmington	26,260				24,985
3	Morris Coal & Mining Co.	Morris	12,966				12,966
4	Robt. Condon	Morris	1,987				1,987
5	Peart & Nicholson	Coal City	1,157				1,157
6	Schramm, Matywith & Schramm	Morris	80				75
Total 6 mines			68,791				67,511

HENRY COUNTY

SHIPPING MINES.							
1	Midland Elec. Coal Corp., No. 1	Atkinson	616,901	325,235	160,768	10	14,025
2	Shuler Coal Mining Co.	Alpha	38,154	26,645	3,389		7,773
Total			655,055	351,880	164,157	10	21,798
LOCAL MINES.							
1	Valley View Coal Co.	Coal Valley	35,726				35,510
2	Warner Coal Co.	Orion	24,470				24,070
3	Black Hawk Coal Co.	Coal Valley	6,957				6,937
4	Elmer A. Stone	Kewanee	5,120				4,682
5	Wm. T. Lamb & Son	Kewanee	4,085				4,085
6	North Coal Co.	Kewanee	3,842				3,702
7	George W. Mason	Kewanee	3,034				3,034
8	Rodamsky & White	Geneseo	2,800				2,800
9	Albert Reiff	Kewanee	2,443				2,443
10	Ratchliffe Coal Co., No. 1	Kewanee	1,850				1,850
11	Hodgett Bros.	Kewanee	600				600
Total			90,927				89,713
Total 13 mines			745,982	351,880	164,157	10	111,511

FIRST DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
1,330	-----	37	170	130	-----	-----	-----	1	-----	11,400	-----	-----	-----	1
10	-----	12	110	60	-----	-----	-----	-----	-----	-----	1,600	-----	-----	2
-----	-----	7	300	75	-----	-----	-----	-----	-----	-----	1,378	-----	-----	3
-----	-----	11	108	-----	-----	-----	-----	-----	-----	-----	1,200	-----	-----	4
240	-----	8	240	30	-----	-----	-----	-----	-----	-----	1,054	-----	-----	5
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1,580	-----	75	186	295	-----	-----	-----	1	-----	11,400	5,232	-----	-----	-----

FIRST DISTRICT.

-----	-----	41	200	-----	-----	-----	-----	2	-----	26,341	-----	-----	-----	1
1,275	-----	100	144	57	-----	-----	-----	2	-----	-----	26,260	-----	-----	2
-----	-----	15	234	-----	1,375	-----	-----	-----	-----	-----	-----	12,966	-----	3
-----	-----	8	180	-----	-----	-----	-----	-----	-----	-----	1,987	-----	-----	4
-----	-----	10	263	-----	-----	-----	-----	-----	-----	-----	1,157	-----	-----	5
5	-----	4	30	-----	-----	-----	-----	-----	-----	-----	80	-----	-----	6
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1,280	-----	178	175	57	1,375	-----	-----	2	-----	26,341	29,484	12,966	-----	-----

FIRST DISTRICT.

3,441	113,422	102	293	1,925	-----	3,350	-----	-----	-----	-----	-----	616,901	-----	1
182	165	91	125	2,729	-----	-----	-----	-----	-----	-----	38,154	-----	6	2
3,623	113,587	193	209	4,654	-----	3,350	-----	-----	-----	-----	38,154	616,901	6	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
216	-----	61	180	1,534	-----	-----	-----	1	-----	13,326	22,400	-----	-----	1
400	-----	59	144	1,775	-----	-----	-----	-----	-----	-----	24,470	-----	-----	2
20	-----	25	208	437	-----	-----	-----	-----	-----	-----	6,957	-----	-----	3
438	-----	20	194	-----	-----	-----	-----	-----	-----	-----	5,120	-----	-----	4
-----	-----	12	145	-----	-----	-----	-----	-----	-----	-----	4,085	-----	-----	5
140	-----	12	200	-----	-----	-----	-----	-----	-----	-----	3,842	-----	-----	6
-----	-----	10	217	-----	-----	-----	-----	-----	-----	-----	3,034	-----	-----	7
-----	-----	13	144	253	-----	-----	-----	-----	-----	-----	2,800	-----	-----	8
-----	-----	10	155	-----	-----	-----	-----	-----	-----	-----	2,443	-----	-----	9
-----	-----	7	250	-----	-----	-----	-----	-----	-----	-----	1,850	-----	-----	10
-----	-----	5	65	-----	-----	-----	-----	-----	-----	-----	600	-----	-----	11
1,214	-----	234	173	3,999	-----	-----	-----	1	-----	13,326	77,601	-----	-----	-----
4,837	113,587	427	178	8,653	-----	3,350	-----	1	-----	13,326	115,755	616,901	6	-----

LA SALLE COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINES.							
1	Union Coal Co.-----	Peru-----	132,155	73,567	-----	-----	58,379
LOCAL MINES.							
1	Matthiessen & Hegeler Zinc Co.-----	LaSalle-----	113,680	-----	-----	-----	113,680
2	Illinois Zinc Co., No. 3-----	Peru-----	60,123	-----	-----	-----	37,684
3	French Coal Co.-----	Streator-----	12,121	-----	-----	-----	12,121
4	Illinois Valley Coal Co.-----	Marseilles-----	9,943	-----	-----	-----	9,103
5	Proudfoot & Davis Coal Co.-----	Streator-----	5,000	-----	-----	-----	5,000
6	Chicago Retort & Fire Brick Co.-----	Ottawa-----	3,100	-----	-----	-----	3,100
7	City of Ottawa Mines-----	Ottawa-----	1,700	-----	-----	-----	1,700
8	Thomas Coal Co.-----	Bloomington-----	1,454	-----	-----	-----	1,454
9	Mitchell & Brown-----	Streator-----	1,343	-----	-----	-----	1,333
10	Streator Union Coal Co.-----	Streator-----	1,200	-----	-----	-----	1,150
11	National Fire Proofing Co.-----	Ottawa-----	1,200	-----	-----	-----	1,200
12	James Moran-----	Streator-----	1,200	-----	-----	-----	1,200
13	Ray Bros.-----	Streator-----	1,136	-----	-----	-----	1,136
14	Midwest Brick Co.-----	Tonica-----	1,040	-----	-----	-----	1,000
15	40 mines producing less than 1,000 tons each-----	-----	10,484	-----	-----	-----	10,374
Total-----			224,724	-----	-----	-----	201,235
Total 55 mines-----			356,879	73,567	-----	-----	259,614

LIVINGSTON COUNTY

LOCAL MINES.							
1	Fairbury Miners Co-operative Coal Co.	Fairbury.	10,572	-----	-----	-----	9,938
2	Cephas Williams.	Streator.	5,700	-----	-----	-----	5,695
3	K.-B. Coal Co.	Streator.	5,108	-----	-----	-----	5,108
4	Coalville Coal Co., Inc.	Streator.	4,161	-----	-----	-----	4,161
5	McMillin Coal Co.	Streator.	1,400	-----	-----	-----	1,400
6	Katcher, Wargo & Barry.	Streator.	1,172	-----	-----	-----	1,172
7	7 mines producing less than 1,000 tons each.	-----	3,857	-----	-----	-----	3,802
Total 13 mines.			31,970	-----	-----	-----	31,276

MERCER COUNTY

LOCAL MINES.							
1	Lee Bros. Coal Co.	Matherville.	7,926	-----	-----	-----	7,872
2	Essley Coal Co., No. 1.	Viola.	6,391	-----	-----	-----	6,160
3	Huffman & Johnson.	Preemption.	4,830	-----	-----	-----	4,830
4	Essley Coal Co., No. 2.	Viola.	4,637	-----	-----	-----	4,137
5	O'Rourke & Bugos.	Matherville.	2,662	-----	-----	-----	2,332
6	Kness Coal Co.	Viola.	2,234	-----	-----	-----	2,000
7	W. F. Smith & Son.	Aledo.	1,247	-----	-----	-----	1,234
8	7 mines producing less than 1,000 tons each.	-----	2,446	-----	-----	-----	2,440
Total 14 mines.			32,403	-----	-----	-----	31,005

FIRST DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
209		240	214					5	1	132,155			30	1
		128	186	475				7		113,680				1
360	22,079	174	221								60,123			2
		30	162	900							12,121			3
840		50	161								9,943			4
		7	280	50								5,000		5
		2	60	42								3,100		6
		40	100								1,700			7
		6	180	58							1,454			8
10		4	200	75							1,343			9
50		5	109	40							1,200			10
		4	110	6								1,200		11
		3	150	65							1,200			12
		4	100	3							1,136			13
40		5	36									1,040		14
110		159	93	279							8,551	1,933		15
1,410	22,079	621	107	1,993				7		113,680	97,071	13,973		
1,619	22,079	861	109	1,993				12	1	245,835	97,071	13,973	30	

FIRST DISTRICT.

634	25	174	348					1		5,751	4,821			1
5	10	300										5,700		2
	6	200										5,108		3
	12	200	275								4,161			4
	8	90										1,400		5
	4	230										1,172		6
55	34	107	99								1,939	1,918		7
694	99	150	722					1		5,751	10,921	15,298		

FIRST DISTRICT.

54	10	200	400								7,926			1
231	15	154	510								6,391			2
	15	174	460								4,830			3
500	12	176	231								4,637			4
360	12	130	220								2,692			5
247	10	120	160								2,247			6
	5	129	106								1,234			7
6	36	112	269								2,446			8
1,398	115	133	2,356								32,403			

PUTNAM COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINES.							
1	Prairie State Coal Co.-----	Granville.-----	104,555	75,403	-----	1,200	7,576

ROCK ISLAND COUNTY

LOCAL MINES.							
1	Mielke Bros.-----	Coal Valley.-----	23,016	-----	-----	-----	22,356
2	McKeag Bros.-----	Coal Valley.-----	9,875	-----	-----	-----	9,875
3	Rawalt Coal Co.-----	Coal Valley.-----	8,706	-----	-----	-----	8,706
4	Highland Coal & Mining Co.-----	Moline.-----	4,285	-----	-----	-----	4,285
5	C. W. Frederick.-----	Coal Valley.-----	1,893	-----	-----	-----	1,723
Total 5 mines.-----			47,775	-----	-----	-----	46,945

WILL COUNTY

SHIPPING MINES.							
1	Northern Illinois Coal Corp., No. 10.-----	Wilmington.-----	976,178	649,039	277,464	-----	47,465

FIRST DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
2,960	17,416	432	235	-----	-----	-----	-----	-----	-----	-----	104,555	-----	42	1

FIRST DISTRICT.

660	-----	45	195	872	-----	-----	-----	1	-----	13,341	9,675	-----	-----	1
-----	-----	31	185	350	-----	-----	-----	-----	-----	-----	9,875	-----	-----	2
-----	-----	17	290	-----	-----	-----	-----	1	-----	8,706	-----	-----	-----	3
-----	-----	24	150	-----	5,450	-----	-----	-----	-----	-----	4,285	-----	-----	4
170	-----	7	150	118	-----	-----	-----	-----	-----	-----	1,893	-----	-----	5
830	-----	124	194	1,340	5,450	-----	-----	2	-----	22,047	25,728	-----	-----	-----

FIRST DISTRICT.

2,210	-----	221	289	-----	-----	60,300	-----	-----	-----	-----	976,178	-----	-----	1
-------	-------	-----	-----	-------	-------	--------	-------	-------	-------	-------	---------	-------	-------	---

FIRST DISTRICT, RECAPITULATION

Counties.	Num- ber of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for ship- ment.	Sold to railroad com- panies.	Sup- plied to locom- tives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Henry.....	2	655,055	351,880	164,157	10	21,798	3,623	113,587
LaSalle.....	1	132,155	73,567			58,379	209	
Putnam.....	1	104,555	75,403		1,200	7,576	2,960	17,416
Will.....	1	976,178	649,039	277,464		47,465	2,210	
Total.....	5	1,867,943	1,149,889	441,621	1,210	135,218	9,002	131,003

LOCAL MINES,

Bureau.....	5	16,632				15,052	1,580	
Grundy.....	6	68,791				67,511	1,280	
Henry.....	11	90,927				89,713	1,214	
LaSalle.....	54	224,724				201,235	1,410	22,079
Livingston.....	13	31,970				31,276	694	
Mercer.....	14	32,403				31,005	1,398	
Rock Island.....	5	47,775				46,945	830	
Total.....	108	513,222				482,737	8,406	22,079

ALL MINES,

Bureau.....	5	16,632				15,052	1,580	
Grundy.....	6	68,791				67,511	1,280	
Henry.....	13	745,982	351,880	164,157	10	111,511	4,837	113,587
LaSalle.....	55	356,879	73,567			259,614	1,619	22,079
Livingston.....	13	31,970				31,276	694	
Mercer.....	14	22,403				31,005	1,398	
Putnam.....	1	104,555	75,403		1,200	7,576	2,960	17,416
Rock Island.....	5	47,775				46,945	830	
Will.....	1	976,178	649,039	277,464		47,465	2,210	
Total.....	113	2,381,165	1,149,889	441,621	1,210	617,955	17,408	153,082

BY COUNTIES, SHIPPING MINES.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.			Machine.	Hand.	Stripping.	
193	209	4,654	-----	3,350	-----	5	1	132,155	38,154	616,901	6
240	214	-----	-----	-----	-----	-----	-----	-----	-----	-----	30
432	235	-----	-----	-----	60,300	-----	-----	-----	104,555	-----	42
221	289	-----	-----	-----	-----	-----	-----	-----	-----	976,178	-----
1,086	231	4,654	-----	3,350	60,300	5	1	132,155	142,709	1,593,079	78

FIRST DISTRICT.

75	186	295	-----	-----	-----	1	-----	11,400	5,232	-----	-----
178	175	57	1,375	-----	-----	2	-----	26,341	29,484	12,966	-----
234	173	3,999	-----	-----	-----	1	-----	13,326	77,601	-----	-----
621	107	1,993	-----	-----	-----	7	-----	113,680	97,071	13,973	-----
99	150	722	-----	-----	-----	1	-----	5,751	10,921	15,298	-----
115	133	2,356	-----	-----	-----	-----	-----	-----	32,403	-----	-----
124	194	1,340	5,450	-----	-----	2	-----	22,047	25,728	-----	-----
1,446	133	10,762	6,825	-----	-----	14	-----	192,545	278,440	42,237	-----

FIRST DISTRICT.

75	186	295	-----	-----	-----	1	-----	11,400	5,232	-----	-----
178	175	57	1,375	3,350	-----	2	-----	26,341	29,484	12,966	-----
427	178	8,653	-----	-----	-----	1	-----	13,326	115,755	616,901	6
861	109	1,993	-----	-----	-----	12	1	245,835	97,071	13,973	30
99	150	722	-----	-----	-----	1	-----	5,751	10,921	15,298	-----
115	133	2,356	-----	-----	-----	-----	-----	-----	32,403	-----	-----
432	235	-----	-----	-----	-----	-----	-----	-----	104,555	-----	42
124	194	1,340	5,450	-----	-----	2	-----	22,047	25,728	-----	-----
221	289	-----	-----	-----	60,300	-----	-----	-----	-----	976,178	-----
2,532	138	15,416	6,825	3,350	60,300	19	1	324,700	421,149	1,635,316	78

SECOND DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Second Inspection District, comprising the coal producing counties of Marshall, Peoria, Stark, Tazewell and Woodford for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	5
Number of shipping mines.....	8
Number of local mines.....	131
Number of employees underground.....	2,362
Number of employees on surface.....	144
Total number employed.....	2,506
Tons of coal produced in shipping mines.....	853,301
Tons of coal produced in local mines.....	381,777
Tons of coal produced, total.....	1,235,078
Days operated, shipping mines, average.....	113
Days operated, local mines, average.....	119
Number of undercutting machines.....	68
Tons undercut.....	1,002,956
Tons mined by hand.....	222,803
Tons mined in strip mines.....	9,319
Number of loading machines used.....	9
Tons loaded mechanically.....	56,599
Number of fatal accidents.....	4
Number of non-fatal accidents.....	130
Number of employees to each fatality.....	626
Number employed to each non-fatal accident.....	19.2
Tons of coal mined to each fatality.....	308,769
Tons mined to each non-fatal accident.....	9,578
Number of fatalities per 1,000 employed.....	1.6
Number injured per 1,000 employed.....	51.8

FATAL ACCIDENTS.

August 17, Gaines Henderson, miner, age 58 years, single, was killed by falling coal. Deceased was one of the operators of East Peoria Coal Company. He was a widower and leaves four dependent children.

November 9, William Bland Williams, miner, age 36 years, married, was killed in Crescent Mining Company's No. 6 mine by a pit-car. He leaves a widow and one child.

December 17, George L. Jacobs, machineman, age 36 years, married, was killed by falling slate in Treasure Coal Company's mine. He leaves a widow.

December 24, August De Lorme, timberman, age 55 years, married, was killed by a fall of clod in Crescent Coal Company's No. 6 mine.

Respectfully submitted,

HARRY C. HINDSON, *Inspector.*

MARSHALL COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Eagle Coal Co.	Sparland	1,395				1,395
2	R. H. Simpson, No. 2	Sparland	1,112				1,112
3	R. H. Simpson, No. 1	Sparland	1,017				1,017
4	23 mines producing less than 1,000 tons each		8,116				8,116
	Total 26 mines		11,640				11,640

PEORIA COUNTY

SHIPPING MINES.							
1	Crescent Mining Co., No. 6	Peoria	420,906	46,536	354,052		19,019
2	Dorthel Coal Co., No. 1	Hanna City	56,599		52,097		4,127
3	Central West Coal Co., No. 3	Edwards	27,883	19,623	4,450		3,810
4	Crescent Mining Co., No. 1	Peoria	6,862		6,862		
	Total		512,250	66,159	417,461		26,956
LOCAL MINES.							
1	Hilltop Coal Co.	Peoria	41,977				41,962
2	Edw. Mohn & Son	Bartonville	38,400				38,300
3	Treasure Coal Co.	Bartonville	14,500				14,100
4	Viary Bros	Peoria	14,165				13,765
5	A. & T. Coal Co.	Peoria	13,030				13,020
6	Middle Road Coal Co.	Peoria	12,100				12,100
7	T. T. McDaniel	Peoria	8,094				8,094
8	Standard & Harkless	Oak Hill	7,687				7,687
9	J. J. Jobst	Edwards	7,200				6,800
10	Henry Knages	Pottstown	5,417				5,417
11	Big Hollow Colliery Co.	Peoria	5,126				4,376
12	Petri Coal Co.	Peoria	4,537				4,532
13	Edward Siegel	Oak Hill	4,000				4,000
14	Cusack Coal Co.	Edwards	3,680				3,660
15	R. J. Haynes	Mapleton	3,645				3,540
16	Otto W. Lightbody	Glasford	3,316				3,316
17	Asbell & McDaniels	Glasford	3,081				3,076
18	F. P. Schmidt & Sons	Peoria	3,022				3,022
19	Wm. Cotton & Son	Glasford	2,700				2,600
20	Calhoun Coal Co.	Glasford	2,500				2,000
21	Abe Callear	Peoria	2,442				2,442
22	S. R. Stever	Peoria	2,000				2,000
23	Peter Johnson & Sons	Oak Hill	1,937				1,937
24	H. Turner & Son	Edwards	1,764				1,764
25	Coogan Gravel Co.	Edwards	1,667				1,667
26	John Rinaldo & Wm. Mathe-w	Mapleton	1,600				1,600
27	William C. Junker	Peoria	1,582				1,582
28	Vinko Granko	Edwards	1,551				1,551
29	Abe Colwell & Son	Sparland	1,526				1,526
30	Clark & Lightbody	Peoria	1,391				1,391
31	L. Beetter	Pekin	1,300				1,290
32	Callear Coal Co.	Peoria	1,148				1,148
33	Limestone Coal Co.	Peoria	1,090				1,050
34	Fred Snider	Oak Hill	1,000				1,000
35	49 mines producing less than 1,000 tons each		15,933				15,911
	Total		236,108				235,226
	Total 87 mines		748,358	66,159	417,461		260,182

SECOND DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	6	146	125	-----	-----	-----	-----	-----	-----	1,395	-----	-----	1
-----	-----	10	125	106	-----	-----	-----	-----	-----	-----	1,112	-----	-----	2
-----	-----	6	102	97	-----	-----	-----	-----	-----	-----	1,017	-----	-----	3
-----	-----	68	98	855	-----	-----	-----	-----	-----	-----	8,116	-----	-----	4
-----	-----	90	101	1,183	-----	-----	-----	-----	-----	-----	11,640	-----	-----	-----

SECOND DISTRICT.

405	894	552	143	8,218	-----	-----	-----	24	4	420,906	-----	-----	55	1
375	-----	200	96	660	4,750	-----	-----	6	2	56,599	-----	-----	25	2
-----	-----	91	79	539	-----	-----	-----	3	3	27,883	-----	-----	5	3
-----	-----	138	17	167	-----	-----	-----	4	2	6,862	-----	-----	5	4
780	894	981	84	9,584	4,750	-----	-----	37	11	512,250	-----	-----	90	-----
15	-----	50	140	315	-----	-----	-----	3	-----	41,977	-----	-----	-----	1
100	-----	65	144	313	-----	-----	-----	3	-----	38,400	-----	-----	-----	2
400	-----	24	210	152	-----	-----	-----	1	-----	14,500	-----	-----	-----	3
400	-----	26	150	950	-----	-----	-----	-----	-----	-----	14,165	-----	-----	4
10	-----	35	99	1,071	-----	-----	-----	-----	-----	-----	13,030	-----	-----	5
-----	-----	17	199	175	-----	-----	-----	1	-----	12,100	-----	-----	-----	6
-----	-----	7	160	506	-----	-----	-----	-----	-----	-----	8,094	-----	-----	7
-----	-----	12	154	512	-----	-----	-----	-----	-----	-----	7,687	-----	-----	8
400	-----	10	200	60	-----	-----	-----	-----	-----	-----	-----	7,200	-----	9
-----	-----	14	175	330	-----	-----	-----	-----	-----	-----	5,417	-----	-----	10
750	-----	26	131	150	-----	-----	-----	2	-----	5,126	-----	-----	-----	11
5	-----	12	183	275	-----	-----	-----	-----	-----	-----	4,537	-----	-----	12
-----	-----	22	180	300	-----	-----	-----	-----	-----	-----	4,000	-----	-----	13
20	-----	14	120	340	-----	-----	-----	-----	-----	-----	3,680	-----	-----	14
105	-----	12	186	260	-----	-----	-----	-----	-----	-----	3,645	-----	-----	15
-----	-----	4	200	50	-----	-----	-----	1	-----	3,316	-----	-----	-----	16
5	-----	8	138	257	-----	-----	-----	-----	-----	-----	3,081	-----	-----	17
-----	-----	6	130	134	-----	-----	-----	-----	-----	-----	3,022	-----	-----	18
100	-----	7	180	240	-----	-----	-----	-----	-----	-----	2,700	-----	-----	19
500	-----	6	185	150	-----	-----	-----	-----	-----	-----	2,500	-----	-----	20
-----	-----	11	182	196	-----	-----	-----	-----	-----	-----	2,442	-----	-----	21
-----	-----	10	100	180	-----	-----	-----	-----	-----	-----	2,000	-----	-----	22
-----	-----	6	180	148	-----	-----	-----	-----	-----	-----	1,937	-----	-----	23
-----	-----	6	219	147	-----	-----	-----	-----	-----	-----	1,764	-----	-----	24
-----	-----	6	275	-----	-----	-----	-----	-----	-----	-----	-----	1,667	-----	25
-----	-----	2	180	140	-----	-----	-----	-----	-----	-----	1,600	-----	-----	26
-----	-----	6	253	238	-----	-----	-----	-----	-----	-----	1,582	-----	-----	27
-----	-----	8	200	115	-----	-----	-----	-----	-----	-----	1,551	-----	-----	28
-----	-----	5	170	146	-----	-----	-----	-----	-----	-----	1,526	-----	-----	29
-----	-----	5	104	131	-----	-----	-----	-----	-----	-----	1,391	-----	-----	30
10	-----	6	220	100	-----	-----	-----	-----	-----	-----	1,300	-----	-----	31
-----	-----	3	140	98	-----	-----	-----	-----	-----	-----	1,148	-----	-----	32
40	-----	8	41	71	-----	-----	-----	-----	-----	-----	1,090	-----	-----	33
-----	-----	7	120	70	-----	-----	-----	-----	-----	-----	1,000	-----	-----	34
22	-----	141	98	1,709	-----	-----	-----	-----	-----	425	15,056	452	-----	35
2,882	-----	607	126	10,029	-----	-----	-----	11	-----	115,844	110,945	9,319	-----	-----
3,662	894	1,588	124	19,613	4,750	-----	-----	48	11	628,094	110,945	9,319	90	-----

STARK COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Chas. Bensy.....	Wyoming.....	3,208				3,208
2	Roy McDaniel.....	Wyoming.....	2,000				1,750
3	Downing Bros.....	Castleton.....	1,800				1,800
4	Cotton & Willson.....	Toulon.....	1,320				1,320
5	W. J. Duncan.....	Neponset.....	1,100				900
6	G. A. Ohman.....	Neponset.....	1,000				960
7	9 mines producing less than 1,000 tons each.....	.....	1,654				1,654
Total 15 mines.....			12,082				11,592

TAZEWELL COUNTY

SHIPPING MINES.							
1	Lake Erie Mining Co.....	Peoria.....	250,426	158,938	40,061	-----	51,427
2	Ubben Coal Co.....	Pekin.....	23,238	5,954	-----	-----	17,084
Total.....			273,664	164,892	40,061	-----	68,511
LOCAL MINES.							
1	Manhattan Coal & Mining Co.....	E. Peoria.....	55,292	-----	-----	-----	55,092
2	Coal Creek Coal Co.....	E. Peoria.....	22,535	-----	-----	-----	22,535
3	John Lee & Bloomer.....	Pekin.....	19,899	-----	-----	-----	19,899
4	David Grant.....	Pekin.....	13,045	-----	-----	-----	12,545
5	Lea Bros. & Lamborn.....	Peoria.....	10,326	-----	-----	-----	10,300
6	2 mines producing less than 1,000 tons each.....	-----	850	-----	-----	-----	850
Total.....			121,947	-----	-----	-----	121,221
Total 9 mines.....			395,611	164,892	40,061	-----	189,732

WOODFORD COUNTY

SHIPPING MINES.							
1	W. G. Sutton, No. 2.....	Minonk.....	49,689	22,310	-----	-----	26,079
2	Roanoke Coal & Tile Co., No. 1.....	Roanoke.....	17,698	3,224	150	-----	12,036
Total.....			67,387	25,534	150	-----	38,115

SECOND DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	11	275	275	-----	-----	-----	-----	-----	-----	3,208	-----	-----	1
250	-----	5	160	100	-----	-----	-----	-----	-----	-----	2,000	-----	-----	2
-----	-----	6	200	200	-----	-----	-----	-----	-----	-----	1,800	-----	-----	3
-----	-----	4	160	30	-----	-----	-----	-----	-----	-----	1,320	-----	-----	4
200	-----	9	190	35	-----	-----	-----	-----	-----	-----	1,100	-----	-----	5
40	-----	6	112	-----	-----	-----	-----	-----	-----	-----	1,000	-----	-----	6
-----	-----	22	62	53	-----	-----	-----	-----	-----	-----	1,654	-----	-----	7
490	-----	63	110	693	-----	-----	-----	-----	-----	-----	12,082	-----	-----	-----

SECOND DISTRICT.

-----	-----	191	240	740	29,225	-----	-----	8	5	250,426	-----	-----	8	1
200	-----	58	113	300	-----	-----	-----	4	1	23,238	-----	-----	4	2
200	-----	249	177	1,040	29,225	-----	-----	12	6	273,664	-----	-----	12	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
200	-----	83	187	961	-----	-----	-----	3	-----	55,292	-----	-----	-----	1
-----	-----	50	105	455	-----	-----	-----	2	-----	22,535	-----	-----	-----	2
-----	-----	8	79	70	-----	-----	-----	-----	-----	-----	19,899	-----	-----	3
500	-----	23	186	248	-----	-----	-----	2	-----	13,045	-----	-----	-----	4
26	-----	22	147	3,125	-----	-----	-----	1	-----	10,326	-----	-----	-----	5
-----	-----	12	95	76	-----	-----	-----	-----	-----	-----	550	-----	-----	6
726	-----	198	128	1,810	3,125	-----	-----	8	-----	101,198	20,749	-----	-----	-----
926	-----	447	129	2,850	32,350	-----	-----	20	6	374,862	20,749	-----	12	-----

SECOND DISTRICT.

1,300	-----	205	113	-----	-----	-----	-----	2	-----	49,689	-----	9	1
2,288	-----	113	102	-----	-----	-----	-----	1	-----	17,698	-----	17	2
3,588	-----	318	108	-----	-----	-----	-----	3	-----	67,387	-----	26	-----

SECOND DISTRICT, RECAPITULATION

Counties.	Number of mines.	Total tons mined.	Disposition of output in tons.					All coal not sold, including waste.
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	
Peoria.....	4	512,250	66,159	417,461	-----	26,956	780	894
Tazewell.....	2	273,664	164,892	40,061	-----	68,511	200	-----
Woodford.....	2	67,387	25,534	150	-----	38,115	3,588	-----
Total.....	8	853,301	256,585	457,672	-----	133,582	4,568	894

LOCAL MINES,

Marshall.....	26	11,640	-----	-----	-----	11,640	-----	-----
Peoria.....	83	236,108	-----	-----	-----	233,226	2,882	-----
Stark.....	15	12,082	-----	-----	-----	11,592	490	-----
Tazewell.....	7	121,947	-----	-----	-----	121,221	726	-----
Total.....	131	381,777	-----	-----	-----	377,679	4,098	-----

ALL MINES,

Marshall.....	26	11,640	-----	-----	-----	11,640	-----	-----
Peoria.....	87	748,358	66,159	417,461	-----	260,182	3,662	894
Stark.....	15	12,082	-----	-----	-----	11,592	490	-----
Tazewell.....	9	395,611	164,892	40,061	-----	189,732	926	-----
Woodford.....	2	67,387	25,534	150	-----	38,115	3,588	-----
Total.....	139	1,235,078	256,585	457,672	-----	511,261	8,666	894

BY COUNTIES, SHIPPING MINES.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.			Machine.	Hand.	Stripping.	
981	84	9,584	4,750	-----	-----	37	11	512,250	-----	-----	90
249	177	1,040	29,225	-----	-----	12	6	273,664	-----	-----	12
318	108	-----	-----	-----	-----	-----	3	-----	67,387	-----	26
1,548	113	10,624	33,975	-----	-----	49	20	785,914	67,387	-----	128

SECOND DISTRICT.

90	101	1,183	-----	-----	-----	-----	-----	-----	11,640	-----	-----
607	126	10,029	-----	-----	-----	11	-----	115,844	110,945	9,319	-----
63	110	693	-----	-----	-----	-----	-----	-----	12,082	-----	-----
198	128	1,810	3,125	-----	-----	8	-----	101,198	20,749	-----	-----
958	119	13,715	3,125	-----	-----	19	-----	217,042	155,416	9,319	-----

SECOND DISTRICT.

90	101	1,183	-----	-----	-----	-----	-----	-----	11,640	-----	-----
1,588	124	19,613	4,750	-----	-----	48	11	628,094	110,945	9,319	90
63	110	693	-----	-----	-----	-----	-----	-----	12,082	-----	-----
447	129	2,850	32,350	-----	-----	20	6	374,862	20,749	-----	12
318	108	-----	-----	-----	-----	-----	3	-----	67,387	-----	26
2,506	119	24,339	37,100	-----	-----	68	20	1,002,956	222,803	9,319	128

THIRD DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Third Inspection District, comprising the coal producing counties of Fulton, Hancock, Knox, McDonough, Schuyler and Warren, for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	6
Number of shipping mines.....	7
Number of local mines.....	271
Number of employees underground.....	2,176
Number of employees on surface.....	396
Total number employed.....	2,572
Tons of coal produced in shipping mines.....	1,355,246
Tons of coal produced in local mines.....	400,059
Tons of coal produced, total.....	1,755,305
Days operated, shipping mines, average.....	122
Days operated, local mines, average.....	123
Number of undercutting machines.....	54
Tons undercut	687,962
Tons mined by hand.....	283,029
Tons mined in strip mines.....	784,314
Number of loading machines used.....	2
Tons loaded mechanically.....	4,169
Number of fatal accidents.....	2
Number of non-fatal accidents.....	82
Number of employees to each fatality.....	1,286
Number employed to each non-fatal accident.....	31.4
Tons of coal mined to each fatality.....	877,652
Tons mined to each non-fatal accident.....	21,406
Number of fatalities per 1,000 employed.....	.78
Number injured per 1,000 employed.....	31.9

FATAL ACCIDENTS.

October 17, August Lindquist, miner, age 50 years, single, was killed by falling clod in Borders and Boozell's mine. He leaves his mother dependent.

December 9, Orville Parkins, locomotive engineer, age 32 years, married, was struck by an engine and killed at Truax-Traer Coal Company's mine. He leaves a widow and one child.

Respectfully submitted,

THOMAS P. BACK, *Inspector.*

FATAL CASUALTIES, THIRD DISTRICT, 1932.

Date, 1932.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num-ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Oct. 17 Dec. 9	August Lindquist Orville Parkins	50 32	Miner. Loco. engineer	Lewistown Canton	Borders & Bozell Truax-Traer Coal Co.		1	1	1	1	1	Falling chod. Jumped off engine.

NON-FATAL ACCIDENTS, THIRD DISTRICT.

Name of operator	Number injured.	Number not re- turned.	Days lost by men returned.		Loss of 7 but less than 30 days.			Loss of 30 or more days.			Month in which accident occurred.	
			Total.	Average.	Number injured.	Days lost.		Number injured.	Days lost.		Month.	Number injured.
						Total.	Average.		Total.	Average.		
Canton Coal Co.	20		501	25	14	234	18	6	267	44	January	8
Dorfield Coal Co., No. 2	17	1	485	30	8	151	19	8	334	42	February	11
Galesburg Mining Co.	18	2	662	41	7	149	21	9	513	57	March	12
Illinois Colliery Co.	4		80	20	3	50	17	1	30	30	April	6
Truax-Traer Coal Co.	7		81	12	7	81	12				May	10
United Electric Coal Co., No. 9	4		179	45	2	31	15	2	148	73	June	9
											July	6
											August	8
											September	1
Shipping mines	70	3	1,988	30	41	696	17	26	1,292	50	October	13
Local mines	30	3	1,114	41	17	310	18	10	804	80	November	6
Total	100	6	3,102	33	58	1,006	17	36	2,096	58	December	100

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINES.							
1	United Electric Coal Co., No. 9	Cuba	400,697	254,184	125,661		
2	Truax-Traer Coal Co., St. David	St. David	343,639	221,109	122,530		
3	Canton Coal Co.	Norris	177,240	58,469	116,617		528
4	Dorthel Coal Co., No. 2	Farmington	166,730	40,346	124,524		1,374
5	Illinois Colliery Co.	Farmington	24,368	13,482	3,670		7,216
6	Dorthel Coal Co., No. 3	Farmington	3,850	1,742	2,088		
Total			1,116,524	589,332	495,090		9,118
LOCAL MINES.							
1	Pschirrer & Sons Coal Co.	Canton	38,171				38,171
2	Blakley Coal Co.	Canton	23,917				23,864
3	Clearview Mine	Canton	21,254				21,204
4	Avon Coal Co.	Avon	20,140				20,140
5	Westerby Bros	Farmington	12,926				12,926
6	F. J. Lovell	Ipava	12,000				12,000
7	Long & Alcott	Fairview	9,917				9,467
8	McGlaughlin Bros	Canton	9,070				8,670
9	T. E. Wilson	Summum	6,841				6,841
10	Black Eagle Coal Co.	Canton	5,040				4,730
11	Robert O. Livers	St. David	4,802				4,802
12	Deloss Thompson	Ipava	4,095				4,095
13	Glen Coal Co.	Astoria	3,983				3,933
14	Golden Rule Coal Co.	Middle Grove	3,911				3,911
15	Paul W. Cozine	St. David	3,875				3,875
16	Buckheart Coal Co.	Canton	3,500				3,500
17	Stevenson Brothers	Fiatt	3,422				3,222
18	City of Canton Poor Relief Mine	Canton	3,360				3,360
19	Dallefeld & Glore	Ellisville	3,098				3,068
20	Thompson Bros.	Canton	3,000				3,000
21	Asa Roach	Avon	3,000				3,000
22	Chapin & Vanslyck	Bryant	3,000				3,000
23	Breeds Coal Co.	Canton	3,000				2,950
24	Fairview Coal Co.	Fairview	2,640				2,640
25	W. E. Benton	Lewistown	2,500				2,500
26	Lutz & Grissom	Astoria	2,469				2,040
27	Sherman Ketcham	Canton	2,400				2,388
28	Thomas Griffin	Canton	2,200				2,200
29	Jas. W. Ley	Canton	2,042				2,042
30	Frank Clayton	Avon	2,000				2,000
31	J. W. Baker	Canton	1,800				1,796
32	Joe Brons	Middlegrove	1,691				1,691
33	Albert Zaborac	St. David	1,664				1,664
34	Alb. Hamm	Marietta	1,600				1,580
35	Boyd Grim	Canton	1,500				1,500
36	Sid Yocum & Stockham	Lewistown	1,328				1,328
37	Davis Bros.	Astoria	1,300				1,300
38	Roy Post	Cuba	1,220				1,220
39	Wm. Brown & Son	Bryant	1,123				1,123
40	Lingenfelter & Bennett	Canton	1,000				1,000
41	Jerry Yocum & Sons	Lewistown	1,000				1,000
42	102 mines producing less than 1,000 tons each		32,290				31,874
Total			269,089				266,615
Total 149 mines			1,385,613	589,332	495,090		275,733

THIRD DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
1,864	18,988	108	182	—	—	—	—	—	—	—	—	400,697	—	1
—	—	73	182	—	—	23,650	6,650	—	—	—	—	343,639	—	2
1,111	515	303	112	2,352	—	—	—	14	5	177,240	—	—	23	3
486	—	270	133	4,713	—	—	—	12	3	121,265	45,465	—	21	4
—	—	80	77	461	1,501	—	—	2	—	15,076	9,292	—	8	5
20	—	123	14	213	—	—	—	2	1	2,489	1,361	—	12	6
3,481	19,503	957	117	7,739	1,501	23,650	6,650	30	9	316,070	56,118	744,336	64	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	35	175	800	—	—	—	2	—	38,171	—	—	—	1
53	—	21	209	348	—	—	—	2	—	23,917	—	—	—	2
50	—	25	250	215	—	—	—	2	—	21,254	—	—	—	3
—	—	5	140	70	—	—	—	—	—	—	—	—	—	4
—	—	16	175	840	—	—	—	—	—	—	20,140	—	—	5
—	—	11	300	600	—	—	—	—	—	—	12,926	—	—	6
450	—	19	180	325	—	—	—	1	—	12,000	—	—	—	7
400	—	13	185	410	—	—	—	1	—	9,917	—	—	—	8
—	—	12	250	150	—	—	—	—	—	—	9,070	—	—	9
310	—	12	168	348	—	—	—	—	—	—	6,841	—	—	10
—	—	9	64	71	—	—	—	—	—	—	5,040	—	—	11
—	—	2	120	18	—	—	—	—	—	—	—	4,802	—	12
50	—	10	141	120	—	—	—	—	—	—	4,095	—	—	13
—	—	13	100	365	—	—	—	—	—	—	3,983	—	—	14
—	—	3	90	3	—	—	—	—	—	—	3,911	—	—	15
—	—	9	251	159	—	—	—	—	—	—	—	3,875	—	16
200	—	10	125	279	—	—	—	—	—	—	3,500	—	—	17
—	—	—	—	—	—	—	—	—	—	—	3,422	—	—	—
—	—	55	92	48	—	—	—	—	—	—	—	3,360	—	18
30	—	9	203	326	—	—	—	—	—	—	3,098	—	—	19
—	—	9	280	250	—	—	—	—	—	—	3,000	—	—	20
—	—	6	200	250	—	—	—	—	—	—	3,000	—	—	21
—	—	3	150	150	—	—	—	—	—	—	3,000	—	—	22
50	—	7	200	200	—	—	—	—	—	—	3,000	—	—	23
—	—	12	145	180	—	—	—	—	—	—	2,640	—	—	24
—	—	6	90	—	—	—	—	—	—	—	—	2,500	—	25
429	—	9	214	80	—	—	—	—	—	—	2,469	—	—	26
12	—	5	210	160	—	—	—	—	—	—	2,400	—	—	27
—	—	11	80	125	—	—	—	—	—	—	2,200	—	—	28
—	—	5	138	110	—	—	—	—	—	—	2,042	—	—	29
—	—	4	260	—	—	—	—	—	—	—	2,000	—	—	30
4	—	7	120	800	—	—	—	—	—	—	1,800	—	—	31
—	—	6	40	12	—	—	—	—	—	—	—	1,691	—	32
—	—	3	240	86	—	—	—	—	—	—	1,664	—	—	33
20	—	5	200	40	—	—	—	—	—	—	1,600	—	—	34
—	—	5	80	10	—	—	—	—	—	—	—	1,500	—	35
—	—	3	140	66	—	—	—	—	—	—	1,328	—	—	36
—	—	5	270	52	—	—	—	—	—	—	1,300	—	—	37
—	—	3	185	55	—	—	—	—	—	—	1,220	—	—	38
—	—	4	148	60	—	—	—	—	—	—	1,123	—	—	39
—	—	6	90	18	—	—	—	—	—	—	—	1,000	—	40
—	—	5	120	65	—	—	—	—	—	—	1,000	—	—	41
416	—	278	97	1,732	—	—	—	—	—	—	28,937	3,353	—	42
2,474	—	696	117	9,996	—	—	—	8	—	105,259	141,749	22,081	—	—
5,955	19,503	1,653	117	17,735	301	23,650	6,650	38	9	421,329	197,867	766,417	64	—

HANCOCK COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
	LOCAL MINES.						
1	A. H. Ellis & Son	Augusta	1,782				1,782
2	Merideth & Son	Augusta	1,418				1,418
3	6 mines producing less than 1,000 tons each		1,583				1,575
	Total 8 mines		4,783				4,775

KNOX COUNTY

SHIPPING MINES.							
1	Galesburg Mining Co., No. 1	Galesburg.....	238,722	33,892	160,615	-----	43,820
LOCAL MINES.							
1	Knoxville Mining Co.....	Knoxville.....	30,190	-----	-----	-----	29,890
2	Otis Bowman.....	Yates City.....	3,636	-----	-----	-----	3,400
3	Lake Charles Coal Co.....	Rapate.....	1,800	-----	-----	-----	1,800
4	S. S. Anderson.....	Middle Grove.....	1,685	-----	-----	-----	1,435
5	Eric Strom.....	Victoria.....	1,280	-----	-----	-----	1,280
6	Jake Hubbell.....	Middle Grove.....	1,198	-----	-----	-----	1,198
7	Horkstrom Bros.....	Victoria.....	1,120	-----	-----	-----	1,120
8	John Phillips.....	Farmington.....	1,110	-----	-----	-----	1,092
9	Mm. Mentz.....	Maquon.....	1,083	-----	-----	-----	1,083
10	Clyde Morse.....	Maquon.....	1,000	-----	-----	-----	1,000
11	37 mines producing less than 1,000 tons each.....	-----	13,714	-----	-----	-----	13,388
	Total.....	-----	57,816	-----	-----	-----	56,686
	Total 48 mines.....	-----	296,538	33,892	160,615	-----	100,506

MCDONOUGH COUNTY

LOCAL MINES.							
1	W. J. Waller.....	Colchester.....	5,900	-----	-----	-----	5,900
2	Earl Bunt.....	Colchester.....	4,000	-----	-----	-----	3,500
3	Chas. Porter.....	Colchester.....	2,800	-----	-----	-----	2,800
4	Baird & Reynolds.....	Colchester.....	2,792	-----	-----	-----	2,792
5	Baird Coal Co.....	Colchester.....	1,304	-----	-----	-----	1,304
6	John Nelson.....	Colchester.....	1,280	-----	-----	-----	1,280
7	Wm. Whalen & Lonyo Clark	Colchester.....	1,200	-----	-----	-----	1,200
8	31 mines producing less than 1,000 tons each.....	-----	8,081	-----	-----	-----	8,033
	Total 38 mines.....	-----	27,357	-----	-----	-----	26,809

THIRD DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	10	225	225	-----	-----	-----	-----	-----	-----	1,782	-----	-----	1
-----	-----	8	160	-----	-----	-----	-----	-----	-----	-----	1,418	-----	-----	2
8	-----	27	111	-----	-----	-----	-----	-----	-----	-----	1,583	-----	-----	3
8	-----	45	131	225	-----	-----	-----	-----	-----	-----	4,783	-----	-----	-----

THIRD DISTRICT.

395	303	157	3,484	-----	-----	-----	-----	12	6	231,418	7,304	-----	30	1
300	48	240	504	-----	-----	-----	-----	1	-----	30,190	-----	-----	-----	2
236	8	186	250	-----	-----	-----	-----	-----	-----	-----	3,636	-----	-----	1
-----	8	100	7	-----	-----	-----	-----	-----	-----	-----	-----	1,800	-----	2
250	6	210	97	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3
-----	6	160	-----	-----	-----	-----	-----	-----	-----	-----	1,685	-----	-----	4
-----	4	175	100	-----	-----	-----	-----	-----	-----	-----	1,280	-----	-----	5
-----	8	180	-----	-----	-----	-----	-----	-----	-----	-----	1,198	-----	-----	6
-----	8	180	-----	-----	-----	-----	-----	-----	-----	-----	1,120	-----	-----	7
18	13	80	185	-----	-----	-----	-----	-----	-----	-----	1,110	-----	-----	8
-----	4	117	90	-----	-----	-----	-----	-----	-----	-----	1,083	-----	-----	9
-----	2	100	-----	-----	-----	-----	-----	-----	-----	-----	1,000	-----	-----	10
326	128	111	317	-----	-----	-----	-----	-----	-----	-----	11,212	2,502	-----	11
1,130	235	120	1,550	-----	-----	-----	-----	1	-----	30,190	23,324	4,302	-----	-----
1,525	538	121	5,034	-----	-----	-----	-----	13	6	261,608	30,628	4,302	30	-----

THIRD DISTRICT.

-----	14	60	-----	-----	-----	-----	-----	-----	-----	-----	5,900	-----	-----	1
500	2	100	-----	-----	-----	-----	-----	-----	-----	-----	4,000	-----	-----	2
-----	2	300	-----	-----	-----	-----	-----	-----	-----	-----	2,800	-----	-----	3
-----	12	180	-----	-----	-----	-----	-----	-----	-----	-----	2,792	-----	-----	4
-----	10	90	-----	-----	-----	-----	-----	-----	-----	-----	1,304	-----	-----	5
-----	5	200	-----	-----	-----	-----	-----	-----	-----	-----	1,280	-----	-----	6
-----	6	200	-----	-----	-----	-----	-----	-----	-----	-----	1,200	-----	-----	7
48	96	123	16	-----	150	-----	-----	-----	-----	-----	7,351	730	-----	8
548	147	130	16	-----	150	-----	-----	-----	-----	-----	20,727	6,630	-----	-----

SCHUYLER COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Schuyler Coal Co.	Rushville-----	5,965	-----	-----	-----	5,265
2	Ora Wheelhouse & Son Coal Co.	Rushville-----	5,280	-----	-----	-----	5,280
3	Little Dog Coal Co.	Rushville-----	5,000	-----	-----	-----	5,000
4	A. H. McCormick & Sons.	Rushville-----	4,000	-----	-----	-----	3,900
5	Clyde Sprinkle	Littleton-----	2,500	-----	-----	-----	2,500
6	Morrell S. Beebe	Rushville-----	1,708	-----	-----	-----	1,708
7	E. E. Vogler	Littleton-----	1,600	-----	-----	-----	1,600
8	Chas. L. Yaap	Ray-----	1,440	-----	-----	-----	1,436
9	Harold Caldwell	Industry-----	1,080	-----	-----	-----	1,080
10	Charles Hendricks	Frederick-----	1,000	-----	-----	-----	1,000
11	15 mines producing less than 1,000 tons each	-----	4,464	-----	-----	-----	4,449
Total 25 mines-----			34,037	-----	-----	-----	33,218

WARREN COUNTY

LOCAL MINES.							
1	George Baker & Howard	Alexis.....	4,000	-----	-----	-----	3,800
2	Alfred E. Manuel	Roseville.....	1,203	-----	-----	-----	1,198
3	8 mines producing less than 1,000 tons each	-----	1,774	-----	-----	-----	1,626
Total 10 mines.....			6,977	-----	-----	-----	6,624

THIRD DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
700		12	118	25								5,965		1
		11	230	300							5,280			2
		12	175	200				2		5,000				3
100		7	300	250							4,000			4
		7	200	100							2,500			5
		9	105	158							1,768			6
		9	160	80							1,600			7
4		6	150	60							1,440			8
		9	190	55							1,050			9
		20	90									1,000		10
15		52	111	203				1		25	4,439			11
819		154	135	1,431				3		5,025	22,047	6,965		

THIRD DISTRICT.

200	10	230	389							4,000			1
5	5	188								1,203			2
148	20	147	124							1,774			3
353	35	160	513							6,977			

THIRD DISTRICT, RECAPITULATION

Counties.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Fulton.....	6	1,116,524	589,332	495,090	-----	9,118	3,481	19,503
Knox.....	1	238,722	33,892	160,615	-----	43,820	395	-----
Total.....	7	1,355,246	623,224	655,705	-----	52,938	3,876	19,503

LOCAL MINES,

Fulton.....	143	269,089	-----	-----	-----	266,615	2,474	-----
Hancock.....	8	4,783	-----	-----	-----	4,775	8	-----
Knox.....	47	57,816	-----	-----	-----	56,686	1,130	-----
McDonough.....	38	27,357	-----	-----	-----	26,809	548	-----
Schuyler.....	25	34,037	-----	-----	-----	33,218	819	-----
Warren.....	10	6,977	-----	-----	-----	6,624	353	-----
Total.....	271	400,059	-----	-----	-----	394,727	5,332	-----

ALL MINES,

Fulton.....	149	1,385,613	589,332	495,090	-----	275,733	5,955	19,503
Hancock.....	8	4,783	-----	-----	-----	4,775	8	-----
Knox.....	48	296,538	33,892	160,615	-----	100,506	1,525	-----
McDonough.....	38	27,357	-----	-----	-----	26,809	548	-----
Schuyler.....	25	34,037	-----	-----	-----	33,218	819	-----
Warren.....	10	6,977	-----	-----	-----	6,624	353	-----
Total.....	278	1,755,305	623,224	655,705	-----	447,665	9,208	19,503

BY COUNTIES, SHIPPING MINES.

Total em- ployees.	Days oper- ated.	Explosives used for blasting coal.				Number of mining ma- chines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Pow- der— kegs.	Pellet pow- der— pounds.	Dyna- mite— pounds.	Permis- sibles— pounds.			Machine.	Hand.	Stripping.	
957	117	7,739	1,501	23,650	6,650	30	9	316,070	56,118	744,336	64
303	157	3,484	-----	-----	-----	12	6	231,418	7,304	-----	30
1,260	122	11,223	1,501	23,650	6,650	42	15	547,488	63,422	744,336	94

THIRD DISTRICT.

696	117	9,996	-----	-----	-----	8	-----	105,259	141,749	22,081	-----
45	131	225	-----	-----	-----	-----	-----	-----	4,783	-----	-----
235	120	1,550	-----	-----	-----	1	-----	30,190	23,324	4,302	-----
147	130	16	-----	150	-----	-----	-----	-----	20,727	6,630	-----
154	135	1,431	-----	-----	-----	3	-----	5,025	22,047	6,965	-----
35	160	513	-----	-----	-----	-----	-----	-----	6,977	-----	-----
1,312	123	13,731	-----	150	-----	12	-----	140,474	219,607	39,978	-----

THIRD DISTRICT.

1,653	117	17,735	1,501	23,650	6,650	38	9	421,329	197,867	766,417	64
45	131	225	-----	-----	-----	-----	-----	-----	4,783	-----	-----
538	121	5,034	-----	-----	-----	13	6	261,608	30,628	4,302	30
147	130	16	-----	150	-----	-----	-----	-----	20,727	6,630	-----
154	135	1,431	-----	-----	-----	3	-----	5,025	22,047	6,965	-----
35	160	513	-----	-----	-----	-----	-----	-----	6,977	-----	-----
2,572	123	24,954	1,501	23,800	6,650	54	15	687,962	283,029	784,314	94

FOURTH DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Fourth Inspection District, comprising the coal producing counties of Cass, Christian, Logan, Menard, Morgan, Pike, Sangamon and Scott, for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	8
Number of shipping mines.....	18
Number of local mines.....	33
Number of employees underground.....	6,560
Number of employees on surface.....	851
Total number employed.....	7,411
Tons of coal produced in shipping mines.....	3,597,269
Tons of coal produced in local mines.....	269,948
Tons of coal produced, total.....	3,867,217
Days operated, shipping mines, average.....	91
Days operated, local mines, average.....	161
Number of undercutting machines.....	122
Tons undercut	2,337,375
Tons mined by hand.....	1,527,682
Tons mined in strip mines.....	2,160
Number of loading machines used.....	209
Tons loaded mechanically.....	1,930,215
Number of fatal accidents.....	9
Number of non-fatal accidents.....	358
Number of employees to each fatality.....	823
Number employed to each non-fatal accident.....	20.7
Tons of coal mined to each fatality.....	429,666
Tons mined to each non-fatal accident.....	10,802
Number of fatalities per 1,000 employed.....	12.1
Number injured per 1,000 employed.....	48.3

IDLE MINES.

Assumption Coal Company.
Brewerton Coal Company, No. 81.
Chicago, Wilmington & Franklin Coal Company, No. 1.
Illinois Colliery Company.
Lincoln Coal Corporation.
Madison Coal Corporation, No. 6.
Pana Coal Company, No. 2.
Panther Creek Mines, No. 3.
Peabody Coal Company, No. 6.
Peabody Coal Company, No. 21.
Peabody Coal Company, No. 54.

Peabody Coal Company, No. 55.
 Union Fuel Company, No. 2.
 Union Fuel Company, No. 3.
 Union Fuel Company, No. 4.
 Union Fuel Company, No. 5.

FATAL ACCIDENTS.

January 14, Arca Frank Drake, miner, age 45 years, married, died from injuries received December 29, in Williamson & Sons' Coal Company's mine by being squeezed between two pit-cars. He leaves a widow.

January 15, John Carlier, miner, age 50 years, married, was killed by an explosion of powder in Panther Creek Coal Company's No. 1 mine. He leaves a widow.

March 9, John Zgaga, miner, age 26 years, single, was killed by a fall of slate in Peabody Coal Company's No. 53 mine.

March 16, Leo Kraiewski, miner, age 21 years, single, was killed in Sangamon Coal Company's No. 2 mine by a fall of slate.

March 23, Frank Riber, shotfirer, age 44 years, single, died from suffocation from breathing carbon monoxide gas following an explosion caused by a windy shot in No. 1 mine, Panther Creek Coal Company.

December 8, James Bailey, laborer, age 39 years, married, was kicked by a mule and killed in Mine B Coal Company's mine. He leaves a widow and two children.

December 16, Arthur Gardner, machine operator, age 38 years, married, was killed by a fall of rock in Peabody Coal Company's No. 7 mine. He leaves a widow and six children.

December 21, Charles Shelton, miner, age 56 years, widower, was killed by a fall of rock in Durham and Shelton's local mine.

December 21, George T. Bayant, laborer, age 58 years, married, was killed in Peabody Coal Company's No. 57 mine by striking breast against coal. He leaves a widow.

Respectfully submitted,

HARRY MARSHALL, *Inspector.*

FATAL CASUALTIES, FOURTH DISTRICT, 1932.

Date, 1932.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children	Dependents.	Cause of death.
Jan. 14	A. F. Drake.....	45	Miner.....	Waverly.....	Williamson & Sons Coal Co.....	---	1	---	1	---	1	Pit cars.
Jan. 15	John Carlier.....	50	Miner.....	Auburn.....	Panther Creek Coal Co.....	1	1	---	1	---	1	Powder explosion.
Mar. 9	John Zgaga.....	26	Miner.....	Springfield.....	Peabody Coal Co.....	53	---	1	---	---	---	Falling slate.
Mar. 10	Leo Kraewski.....	21	Miner.....	Springfield.....	Sangamon Coal Co.....	2	---	1	---	---	---	Falling slate.
Mar. 23	Frank Riber.....	44	Shotfirer.....	Auburn.....	Panther Creek Coal Co.....	1	---	1	---	---	---	Suffocation from carbon monoxide gas.
Dec. 8	James Bailey.....	39	Laborer.....	Virden.....	Mine B Coal Co.....	---	1	---	1	2	3	Kicked by mule.
Dec. 16	Arthur Gardner.....	38	Machineman.....	Benton.....	Peabody Coal Co.....	7	1	---	1	6	7	Falling slate.
Dec. 21	Charles Shelton.....	56	Miner.....	Marysville.....	Durham & Shelton.....	---	---	1	---	---	---	Falling rock.
Dec. 21	George T. Bayant.....	58	Laborer.....	Springfield.....	Peabody Coal Co.....	57	1	---	1	---	1	Struck breast against coal.

NON-FATAL ACCIDENTS, FOURTH DISTRICT.

Name of operator.	Number injured.	Number not re- turned.	Days lost by men returned.		Loss of 7 but less than 30 days.			Loss of 30 or more days.			Month in which accident occurred.	Number injured.
			Total.	Average.	Number injured.	Days lost.		Number injured.	Days lost.			
						Total.	Average.		Total.	Average.		
Brewerton Coal Co., No. 92	11	---	214	19	9	150	17	2	64	31	January	57
Central Illinois Coal Co.	17	1	438	26	11	168	15	5	270	54	February	61
Mine B Coal Co.	8	---	191	24	6	126	21	2	65	32	March	83
Pana Coal Co., No. 1	12	3	183	20	8	138	17	1	45	45	April	---
Panther Creek Mines, No. 1	24	---	552	23	17	256	15	7	296	42	May	---
Panther Creek Mines, No. 4	16	---	209	13	15	176	12	1	33	33	June	---
Panther Creek Mines, No. 5	12	2	216	22	8	122	15	2	94	47	July	1
Peabody Coal Co., No. 7	27	8	703	17	9	124	14	10	579	58	August	14
Peabody Coal Co., No. 8	28	1	872	32	23	577	25	4	295	74	September	3
Peabody Coal Co., No. 9	48	---	1,812	38	27	419	16	21	1,393	66	October	28
Peabody Coal Co., No. 51	17	---	348	20	13	183	14	4	165	41	November	53
Peabody Coal Co., No. 52	7	---	194	28	3	59	20	4	135	34	December	54
Peabody Coal Co., No. 53	23	5	503	22	11	158	14	7	345	32	---	---
Peabody Coal Co., No. 57	4	---	86	22	2	22	11	2	64	49	---	---
Peabody Coal Co., No. 58	25	5	479	24	14	171	12	6	308	51	---	---
Peabody Coal Co., No. 59	16	---	620	38	7	127	18	9	493	55	---	---
Penwell Coal Co.	10	---	241	24	7	142	20	3	99	33	---	---
Sangamon Coal Co., No. 2	36	2	856	25	19	238	13	15	618	41	---	---
Shipping mines	341	27	8,717	28	209	3,356	16	105	5,361	51	---	---
Local mines	17	4	282	22	10	109	11	3	173	58	---	---
Total	358	31	8,999	28	219	3,465	16	108	5,534	51	---	358

CASS COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to locomotives.	Tons sold to local trade.
LOCAL MINES.							
1	J. H. Miller-----	Chandlerville....	1,240	-----	-----	-----	1,240

CHRISTIAN COUNTY

SHIPPING MINES.							
1	Peabody Coal Co., No. 9...	Langleyville.....	589,086	543,478	18,916		901
2	Peabody Coal Co., No. 7...	Kincaid.....	449,088	409,018	18,535		1,942
3	Peabody Coal Co., No. 58...	Taylorville.....	861,764	178,273	132,699		30,882
4	Peabody Coal Co., No. 8...	Tovey.....	297,164	286,102	2,700		3,828
5	Penwell Coal Mining Co....	Pana.....	73,242	41,678	3,326		24,178
6	Pana Coal Co., No. 1.....	Pana.....	64,942	19,791	1,964	11,568	25,254
Total.....			1,835,286	1,478,340	178,140	11,568	86,985
LOCAL MINES.							
1	H. F. Young.....	Edinburg.....	9,449				9,014
Total 7 mines.....			1,844,735	1,478,340	178,140	11,568	95,999

LOGAN COUNTY

SHIPPING MINES.							
1	Brewerton Coal Co., No. 92	Lincoln.....	94,504	24,916		13,849	48,709

MENARD COUNTY

LOCAL MINES.							
1	Greenview Mining Co.....	Greenview.....	32,912				32,912
2	Johnson Valley Coal Co....	Middletown.....	22,829				21,629
3	W. F. Sewell & Jesse K. Bell	Petersburg.....	10,880				10,280
4	Harry A. Perkins.....	Athens.....	9,200				9,200
5	Klingbeil Bros.....	Petersburg.....	4,884				4,874
6	Chas. Whitehurst.....	Tallula.....	4,631				4,210
7	John W. Mallergren.....	Petersburg.....	4,521				3,450
8	Mrs. Mary Passini.....	Petersburg.....	2,450				2,200
9	Fred W. Otken.....	Tallula.....	1,375				1,375
10	Tebrugge Bros.....	Petersburg.....	1,310				1,260
11	Old Salem Coal Co.....	Petersburg.....	1,015				775
Total 11 mines.....			96,007				92,165

FOURTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	3	160	80	-----	-----	-----	-----	-----	-----	1,246	-----	-----	1

FOURTH DISTRICT.

591	25,200	417	110	-----	185,600	10,150	-----	16	28	589,086	-----	-----	3	1
418	19,175	446	108	-----	191,050	4,250	-----	10	29	449,088	-----	-----	5	2
2,710	17,200	319	107	-----	103,900	-----	-----	4	20	361,764	-----	-----	-----	3
338	4,196	1,081	48	4,753	-----	-----	-----	52	20	297,164	-----	-----	-----	4
3,000	1,060	318	35	-----	10,175	-----	7,050	1	2	2,861	70,381	-----	16	5
3,667	2,698	201	93	459	5,250	-----	6,700	-----	1	-----	64,942	-----	6	6
10,724	69,529	2,782	84	5,212	495,975	14,400	13,750	83	100	1,699,963	135,323	-----	30	-----
435	-----	25	145	883	-----	-----	-----	-----	-----	-----	9,449	-----	-----	1
11,159	69,529	2,807	92	6,095	495,975	14,400	13,750	83	100	1,699,963	144,772	-----	30	-----

FOURTH DISTRICT.

6,773	257	291	144	6,335	-----	-----	-----	-----	2	-----	94,504	-----	6	1
-------	-----	-----	-----	-------	-------	-------	-------	-------	---	-------	--------	-------	---	---

FOURTH DISTRICT.

-----	49	160	1,800	-----	-----	-----	1	-----	32,912	-----	-----	-----	1
1,200	23	225	400	-----	-----	-----	2	-----	22,829	-----	-----	-----	2
600	13	200	460	-----	-----	-----	1	-----	10,880	-----	-----	-----	3
-----	12	200	512	-----	-----	-----	1	-----	9,200	-----	-----	-----	4
10	11	123	291	-----	-----	-----	1	-----	4,884	-----	-----	-----	5
421	9	190	189	-----	-----	-----	-----	-----	-----	4,631	-----	-----	6
1,071	12	170	200	-----	-----	-----	-----	-----	-----	4,521	-----	-----	7
250	13	203	183	-----	-----	-----	-----	-----	-----	2,450	-----	-----	8
-----	7	200	150	-----	-----	-----	-----	-----	-----	1,375	-----	-----	9
50	5	160	1,500	-----	-----	-----	-----	-----	-----	1,310	-----	-----	10
240	6	185	65	-----	-----	-----	-----	-----	-----	1,015	-----	-----	11
3,842	160	183	4,250	1,500	-----	-----	6	-----	80,705	15,302	-----	-----	-----

MORGAN COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
	LOCAL MINES.						
1	Wagstaff & Smith	Murrayville	1,172				1,172
2	Illinois Colliery Co	Jacksonville	1,081				1,081
	Total 2 mines		2,253				2,253

PIKE COUNTY

LOCAL MINES.							
1	L. E. Tillman	Barry	2,160				2,100

SANGAMON COUNTY

SHIPPING MINES.							
1	Mine B Coal Co.	Springfield	225,567	129,709	56,408		37,976
2	Panther Creek Mines, No. 4	Springfield	202,453	137,103	27,956		35,192
3	Central Illinois Coal Mining Co., A.	Springfield	170,294	120,783	35,764		12,315
4	Sangamon Coal Co., No. 2	Springfield	160,596	95,656	40,739		22,513
5	Peabody Coal Co., No. 59	Springfield	157,675	153,858		22	1,520
6	Peabody Coal Co., No. 51	Springfield	156,343	137,306	13,234		2,977
7	Peabody Coal Co., No. 53	Springfield	142,020	111,764			27,866
8	Peabody Coal Co., No. 52	Springfield	122,556	76,921	18,733		25,327
9	Panther Creek Mines, No. 1	Auburn	115,731	49,278	56,772		7,383
10	Peabody Coal Co., No. 52	Riverton	113,605	53,132	55,258		2,065
11	Panther Creek Mines, No. 5	Springfield	100,639	41,089	32,135		25,168
	Total		1,667,479	1,106,599	336,999	22	200,302
LOCAL MINES.							
1	Panther Creek Mines, No. 2	Springfield	69,404				69,299
2	Joseph Taylor	Springfield	40,047				37,342
3	Howard Coal Co.	Athens	10,908				10,707
4	Miller Bros.	Pleasant Plains	10,079				10,079
5	J. S. Williamson	Loami	7,638				7,623
6	Barr Coal Co.	Athens	7,500				6,900
7	Otto P. Wenneborg & Sons	New Berlin	3,240				3,020
8	Toney Enders	Farmingdale	3,031				2,831
9	Plains Mining Co.	Pleasant Plains	2,500				2,500
	Total		154,347				150,301
	Total 20 mines		1,821,826	1,106,599	336,999	22	350,603

SCOTT COUNTY

LOCAL MINES.							
1	Jas. A. Jones	Winchester	2,240				2,240
2	7 mines producing less than 1,000 tons each		2,252				2,166
	Total 8 mines		4,492				4,406

FOURTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	5	120	-----	-----	-----	-----	-----	-----	-----	1,172	-----	-----	1
-----	-----	13	81	-----	525	-----	-----	1	-----	1,081	-----	-----	-----	2
-----	-----	18	100	-----	525	-----	-----	1	-----	1,081	1,172	-----	-----	-----

FOURTH DISTRICT.

60	-----	9	125	70	-----	-----	-----	-----	-----	-----	-----	2,160	-----	1
----	-------	---	-----	----	-------	-------	-------	-------	-------	-------	-------	-------	-------	---

FOURTH DISTRICT.

1,474	-----	463	108	12,528	-----	-----	4	-----	225,567	-----	24	1	
2,140	62	363	125	4,924	141,625	-----	3	-----	202,453	-----	20	2	
189	1,243	332	107	-----	156,825	-----	4	-----	170,294	-----	17	3	
1,688	-----	353	124	8,358	15,750	-----	3	-----	160,596	-----	20	4	
1,768	507	300	77	-----	177,550	-----	7	4	157,675	-----	29	5	
1,802	1,024	234	96	-----	143,250	-----	6	3	156,343	-----	22	6	
1,952	438	148	65	8,757	-----	-----	4	-----	142,020	-----	34	7	
254	1,321	317	78	-----	168,250	-----	8	5	122,556	-----	31	8	
2,298	-----	698	57	6,410	-----	-----	1	9	1,372	114,359	-----	1	9
1,786	1,364	361	48	-----	139,400	-----	8	5	113,605	-----	27	10	
2,247	-----	253	113	4,560	25,575	-----	2	-----	100,639	-----	16	11	
17,598	5,959	3,822	91	45,537	968,225	-----	30	46	551,551	1,115,928	-----	241	-----
105	-----	142	138	2,348	-----	-----	-----	-----	69,404	-----	-----	1	-----
2,705	-----	56	197	1,933	-----	-----	-----	-----	40,047	-----	-----	2	-----
201	-----	12	197	819	-----	-----	-----	-----	10,908	-----	-----	3	-----
-----	-----	11	192	550	-----	-----	-----	-----	10,079	-----	-----	4	-----
15	-----	12	235	565	-----	-----	-----	-----	7,638	-----	-----	5	-----
600	-----	11	170	550	-----	-----	-----	-----	7,500	-----	-----	6	-----
220	-----	10	120	60	-----	-----	1	-----	3,240	-----	-----	7	-----
200	-----	10	159	244	-----	-----	-----	-----	3,031	-----	-----	8	-----
-----	-----	13	103	250	-----	-----	1	-----	835	1,665	-----	9	-----
4,046	-----	277	168	7,319	-----	-----	2	-----	4,075	150,272	-----	-----	-----
21,644	5,959	4,099	125	52,856	968,225	-----	32	46	555,626	1,266,200	-----	241	-----

FOURTH DISTRICT.

-----	-----	5	200	-----	-----	-----	-----	-----	-----	-----	2,240	-----	-----	1
86	-----	19	136	60	-----	-----	-----	-----	-----	-----	2,252	-----	-----	2
86	-----	24	144	60	-----	-----	-----	-----	-----	-----	4,492	-----	-----	-----

FOURTH DISTRICT, RECAPITULATION

Counties.	Num-ber of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for ship-ment.	Sold to railroad com-panies.	Sup-plied to loco-motives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Christian.....	6	1,835,256	1,478,340	178,140	11,568	86,985	10,724	69,529
Logan.....	1	94,504	24,916		13,849	48,709	6,773	257
Sangamon.....	11	1,667,479	1,106,599	336,999	22	200,302	17,598	5,959
Total.....	18	3,597,269	2,609,855	515,139	25,439	335,996	35,095	75,745

LOCAL MINES,

Cass.....	1	1,240				1,240		
Christian.....	1	9,449				9,014	435	
Menard.....	11	96,007				92,165	3,842	
Morgan.....	2	2,253				2,253		
Pike.....	1	2,160				2,100	60	
Sangamon.....	9	154,347				150,301	4,046	
Scott.....	8	4,492				4,406	86	
Total.....	33	269,948				261,479	8,469	

ALL MINES,

Cass.....	1	1,240				1,240		
Christian.....	7	1,844,735	1,478,340	178,140	11,568	95,999	11,159	69,529
Logan.....	1	94,504	24,916		13,849	48,709	6,773	257
Menard.....	11	96,007				92,165	3,842	
Morgan.....	2	2,253				2,253		
Pike.....	1	2,160				2,100	60	
Sangamon.....	20	1,821,826	1,106,599	336,999	22	350,603	21,644	5,959
Scott.....	8	4,492				4,406	86	
Total.....	51	3,867,217	2,609,855	515,139	25,439	597,475	43,564	75,745

BY COUNTIES, SHIPPING MINES.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissible—pounds.			Machine.	Hand.	Stripping.	
2,782	84	5,212	495,975	14,400	13,750	83	100	1,699,963	135,323	-----	30
291	144	6,335	-----	-----	-----	-----	2	-----	94,564	-----	6
3,822	91	45,537	968,225	-----	-----	30	46	551,551	1,115,928	-----	241
6,895	91	57,084	1,464,200	14,400	13,750	113	148	2,251,514	1,345,755	-----	277

FOURTH DISTRICT.

3	160	80	-----	-----	-----	-----	-----	-----	1,240	-----	-----
25	145	883	-----	-----	-----	-----	-----	-----	9,449	-----	-----
160	183	4,250	1,500	-----	-----	6	-----	80,705	15,302	-----	-----
18	100	-----	525	-----	-----	1	-----	1,081	1,172	-----	-----
9	125	70	-----	-----	-----	-----	-----	-----	-----	2,160	-----
277	168	7,319	-----	-----	-----	2	-----	4,075	150,272	-----	-----
24	144	60	-----	-----	-----	-----	-----	-----	4,492	-----	-----
516	161	12,662	2,025	-----	-----	9	-----	85,861	181,927	2,160	-----

FOURTH DISTRICT.

3	160	80	-----	-----	-----	-----	-----	-----	1,240	-----	-----
2,807	92	6,095	495,975	14,400	13,750	83	100	1,699,963	144,772	-----	30
291	144	6,335	-----	-----	-----	-----	2	-----	94,564	-----	6
160	183	4,250	1,500	-----	-----	6	-----	80,705	15,302	-----	-----
18	100	-----	525	-----	-----	1	-----	1,081	1,172	-----	-----
9	125	70	-----	-----	-----	-----	-----	-----	-----	2,160	-----
4,099	125	52,856	968,225	-----	-----	32	46	555,626	1,266,200	-----	241
24	144	60	-----	-----	-----	-----	-----	-----	4,492	-----	-----
7,411	136	69,746	1,466,225	14,400	13,750	122	148	2,337,375	1,527,682	2,160	277

FIFTH DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Fifth Inspection District, comprising the coal producing counties of Edgar, Macon and Vermilion, for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	3
Number of shipping mines.....	6
Number of local mines.....	120
Number of employees underground.....	4,094
Number of employees on surface.....	441
Total number employed.....	4,535
Tons of coal produced in shipping mines.....	1,674,828
Tons of coal produced in local mines.....	349,753
Tons of coal produced, total.....	2,024,581
Days operated, shipping mines, average.....	135
Days operated, local mines, average.....	137
Number of undercutting machines.....	100
Tons undercut	1,483,472
Tons mined by hand.....	172,326
Tons mined in strip mines.....	368,783
Number of loading machines used.....	42
Tons loaded mechanically.....	577,357
Number of fatal accidents.....	6
Number of non-fatal accidents.....	192
Number of employees to each fatality.....	756
Number employed to each non-fatal accident.....	23.6
Tons of coal mined to each fatality.....	337,430
Tons mined to each non-fatal accident.....	10,545
Number of fatalities per 1,000 employed.....	1.3
Number injured per 1,000 employed.....	42.3

IDLE MINES.

Macon County Coal Company operated as a local mine.

REOPENED MINES.

United Electric Coal Company, No. 12.

FATAL ACCIDENTS.

March 13, Peter Sategna, carpenter, age 38 years, widower, died from injuries received the day before when caught in a loading machine in Peabody Coal Company's No. 24 mine. He leaves one child.

August 30, George Bartash, timberman, age 42 years, married, was killed in Peabody Coal Company's No. 24 mine by a fall of rock. He leaves a widow and three children.

August 31, James Casteel, locomotive engineer, married, was killed at United Electric Coal Company's No. 1 mine when his engine was struck by a trip of loaded cars. He leaves a widow and two children.

September 20, George Baleckis, miner, age 52 years, married, was killed in United States Fuel Company's Bunsen mine by falling coal. He leaves a widow.

December 15, Ernest Humble, repairman, age 39 years, married, was killed by a fall of rock in Peabody Coal Company's No. 24 mine. He leaves a widow.

December 26, Anthony D. Welsch, miner, age 44 years, married, died from injuries received November 30, when caught by a fall of rock in Peabody Coal Company's No. 24 mine. He leaves a widow and two children.

Respectfully submitted,

FRED T. HODGES, *Inspector.*

FATAL CASUALTIES, FIFTH DISTRICT, 1932.

Date, 1932.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Mar. 13	Peter Sategna.....	38	Car pusher.....	Westville.....	Peabody Coal Co.....	24	-----	1	-----	1	1	Caught in loading machine.
Aug. 30	George Bartash.....	42	Timberman.....	Westville.....	Peabody Coal Co.....	24	1	-----	1	3	4	Fall of rock.
Aug. 31	James Casteel.....	32	Locomotive engineer.....	Oakwood.....	United Electric Coal Co.....	1	1	-----	1	2	3	Crushed by engine.
Sept. 20	George Baleckis.....	52	Miner.....	Westville.....	United States Fuel Co.....	Bun	1	-----	1	-----	1	Falling coal.
Dec. 15	Ernest Humble.....	39	Repairman.....	Danville.....	Peabody Coal Co.....	24	1	-----	1	-----	1	Falling rock.
Dec. 28	Anthony D. Welsch.....	44	Miner.....	Danville.....	Peabody Coal Co.....	24	1	-----	1	2	3	Falling rock.

EDGAR COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Edgar County Coal Co.	Paris	13,405				11,680
2	Spring Valley Coal Co.	Paris	1,950				1,950
3	Brookside Coal Co.	Scotland	1,450				1,450
4	3 mines producing less than 1,000 tons each		1,461				1,299
	Total 6 mines		18,266				16,379

MACON COUNTY

LOCAL MINE.							
1	Macon County Coal Co.	Macon	77,938				75,769

VERMILION COUNTY

SHIPPING MINES.							
1	Peabody Coal Co., No. 24	Danville	553,010	335,422	202,625		2,435
2	United States Fuel Co., Bun	Georgetown	541,655	397,668	138,035	279	3,715
3	United Electric Coal Co., No. 1	Danville	309,918	173,554	122,483		3,596
4	United States Fuel Co., Verm.	Georgetown	180,086	124,736	47,512	329	5,790
5	United Electric Coal Co., No. 12	Danville	49,974	44,328	1,129		
6	Tilton Mining Co.	Danville	40,185	4,608	26,160		9,088
	Total		1,674,828	1,080,316	537,944	608	24,624
LOCAL MINES.							
1	The Hegeler Zinc Co.	Danville	58,928				58,928
2	Achille Lete & Son	Danville	16,032				16,032
3	P. J. Dowiat & Sons Coal Co.	Westville	12,900				12,900
4	Alex Anderson	Danville	11,288				11,288
5	Albert & Walter Mauck	Danville	10,142				10,142
6	Central Coal Co.	Fairmount	9,643				9,643
7	James H. Crawford	Oakwood	9,553				9,553
8	M. & B. Coal Co.	Danville	8,723				8,373
9	Everett Meeker	Danville	6,800				6,800
10	Harry Brown	Oakwood	6,000				5,980
11	Lime Spring Coal Co.	Danville	4,510				4,390
12	G. R. Michael	Danville	4,050				4,010
13	Lorenzo Balducci	Fairmount	3,828				3,400
14	Lind Bros.	Danville	3,600				3,600
15	Jacob, Dubois & Johnson	Danville	3,000				3,000
16	Jordan & Fall	Danville	3,000				3,000
17	Larson, Howard & Hanley	Danville	3,000				3,000
18	Schafer Bros. Coal Co.	Danville	2,814				2,779
19	Red Dragon	Danville	2,730				2,730

FIFTH DISTRICT

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynanite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
1,725	-----	18	173	812	-----	-----	-----	-----	-----	-----	13,405	-----	-----	1
-----	-----	8	140	150	-----	-----	-----	-----	-----	-----	1,950	-----	-----	2
-----	-----	4	225	115	-----	-----	-----	-----	-----	-----	1,450	-----	-----	3
162	-----	12	179	179	-----	-----	-----	-----	-----	-----	1,461	-----	-----	4
1,887	-----	42	179	1,256	-----	-----	-----	-----	-----	-----	18,266	-----	-----	-----

FIFTH DISTRICT

2,169	-----	272	100	-----	-----	8,000	-----	9	-----	77,938	-----	-----	-----	1
-------	-------	-----	-----	-------	-------	-------	-------	---	-------	--------	-------	-------	-------	---

FIFTH DISTRICT

4,030	8,498	441	173	178	208,325	-----	-----	16	10	539,351	13,659	-----	37	1
1,958	-----	1,768	100	13	-----	-----	109,200	31	17	541,618	37	-----	12	2
1,251	9,034	106	194	-----	-----	-----	-----	-----	-----	-----	-----	309,918	-----	3
1,719	-----	859	41	1,002	-----	-----	12,400	33	14	180,086	-----	-----	20	4
3,157	1,360	60	65	-----	-----	-----	-----	-----	-----	-----	-----	49,974	-----	5
329	47	234	1,500	-----	-----	-----	-----	1	-----	35,185	5,000	-----	3	6
12,444	18,892	3,281	135	2,693	208,325	-----	121,600	81	41	1,296,240	18,696	359,892	72	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	110	171	524	-----	-----	-----	3	-----	54,569	4,359	-----	-----	1
-----	-----	34	230	400	-----	-----	-----	1	-----	13,032	3,000	-----	-----	2
-----	-----	28	210	598	-----	-----	-----	-----	-----	-----	-----	12,900	-----	3
-----	-----	23	150	161	-----	-----	-----	1	-----	11,288	-----	-----	-----	4
-----	-----	15	190	430	-----	-----	-----	1	-----	4,972	5,170	-----	-----	5
-----	-----	20	192	480	-----	-----	-----	-----	-----	-----	9,643	-----	-----	6
-----	-----	10	226	618	-----	-----	-----	-----	-----	-----	9,553	-----	-----	7
350	-----	20	228	220	-----	-----	-----	1	-----	8,723	-----	-----	-----	8
-----	-----	9	204	90	-----	-----	-----	1	-----	6,800	-----	-----	-----	9
20	-----	12	100	250	-----	-----	-----	1	-----	5,400	600	-----	-----	10
120	-----	11	205	91	-----	-----	-----	1	-----	4,510	-----	-----	-----	11
40	-----	7	295	240	-----	-----	-----	-----	-----	-----	4,050	-----	-----	12
428	-----	10	137	200	-----	-----	-----	-----	-----	-----	3,828	-----	-----	13
-----	-----	7	180	100	-----	-----	-----	-----	-----	-----	3,600	-----	-----	14
-----	-----	10	235	121	-----	-----	-----	-----	-----	-----	3,000	-----	-----	15
-----	-----	8	200	75	-----	-----	-----	-----	-----	-----	3,000	-----	-----	16
-----	-----	3	305	175	-----	-----	-----	-----	-----	-----	3,000	-----	-----	17
35	-----	8	141	175	-----	-----	-----	-----	-----	-----	2,814	-----	-----	18
-----	-----	11	90	125	-----	-----	-----	-----	-----	-----	2,730	-----	-----	19

VERMILION COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
20	Lind Coal Co.....	Danville.....	2,489	-----	-----	-----	2,489
21	R. S. Wyatt.....	Danville.....	2,399	-----	-----	-----	2,399
22	Wm. J. Haas.....	Danville.....	2,304	-----	-----	-----	2,304
23	Slade Coal Co.....	Catlin.....	2,100	-----	-----	-----	2,100
24	R. C. Wilson.....	Danville.....	2,100	-----	-----	-----	2,100
25	W. A. Ramey.....	Georgetown.....	2,075	-----	-----	-----	2,075
26	J. W. Blue.....	Danville.....	2,000	-----	-----	-----	2,000
27	Community Mine of Westville.....	Westville.....	2,000	-----	-----	-----	2,000
28	J. G. Shelton.....	Tilton.....	2,000	-----	-----	-----	2,000
29	Frank Holmgreen.....	Catlin.....	1,797	-----	-----	-----	1,797
30	David Jenkins.....	Catlin.....	1,750	-----	-----	-----	1,740
31	Steve Sporcich & George Yonky.....	Danville.....	1,731	-----	-----	-----	1,731
32	Perry Bales.....	Danville.....	1,720	-----	-----	-----	1,700
33	Larson & Son, Inc.....	Grape Creek.....	1,713	-----	-----	-----	1,713
34	Geo. Lomax.....	Oakwood.....	1,617	-----	-----	-----	1,617
35	Thomas Bros. & Co.....	Danville.....	1,500	-----	-----	-----	1,375
36	O. R. Fredrickson.....	Danville.....	1,450	-----	-----	-----	1,450
37	Community Mine of Grape Creek.....	Grape Creek.....	1,290	-----	-----	-----	1,290
38	Bert Thatcher.....	Oakwood.....	1,250	-----	-----	-----	1,250
39	J. E. Campbell.....	Danville.....	1,200	-----	-----	-----	1,200
40	Ritter & Son.....	Danville.....	1,200	-----	-----	-----	1,200
41	Frank Woodard.....	Oakwood.....	1,200	-----	-----	-----	1,100
42	Community Mine of Georgetown.....	Georgetown.....	1,125	-----	-----	-----	1,125
43	H. A. Lane.....	Danville.....	1,100	-----	-----	-----	1,097
44	Brown & Berton.....	Grape Creek.....	1,000	-----	-----	-----	1,000
45	Bert Hunt & Dale O'Sullivan.....	Danville.....	1,000	-----	-----	-----	1,000
46	C. W. Palmer.....	Danville.....	1,000	-----	-----	-----	1,000
47	Felix Vallet.....	Danville.....	1,000	-----	-----	-----	996
48	Chas. Wastings.....	Danville.....	1,000	-----	-----	-----	1,000
49	65 mines producing less than 1,000 tons each.....		26,898	-----	-----	-----	26,476
	Total.....		253,549	-----	-----	-----	251,872
	Total 119 mines.....		1,928,377	1,080,316	537,944	608	276,496

FIFTH DISTRICT—Concluded.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	7	186	75	-----	-----	-----	-----	-----	-----	2,489	-----	-----	20
-----	-----	5	200	100	-----	-----	-----	-----	-----	-----	2,399	-----	-----	21
-----	-----	4	288	92	-----	-----	-----	-----	-----	-----	2,304	-----	-----	22
-----	-----	5	152	80	-----	-----	-----	-----	-----	-----	2,100	-----	-----	23
-----	-----	6	150	75	-----	-----	-----	-----	-----	-----	2,100	-----	-----	24
-----	-----	60	40	-----	-----	-----	-----	-----	-----	-----	-----	2,075	-----	25
-----	-----	5	120	75	-----	-----	-----	-----	-----	-----	2,000	-----	-----	26
-----	-----	30	60	15	-----	-----	-----	-----	-----	-----	-----	2,000	-----	27
-----	-----	10	100	-----	-----	-----	-----	-----	-----	-----	2,000	-----	-----	28
-----	-----	6	175	73	-----	-----	-----	-----	-----	-----	1,797	-----	-----	29
10	-----	6	250	70	-----	-----	-----	-----	-----	-----	1,750	-----	-----	30
-----	-----	3	295	96	-----	-----	-----	-----	-----	-----	1,731	-----	-----	31
-----	-----	5	110	57	-----	-----	-----	-----	-----	-----	1,720	-----	-----	32
-----	-----	4	173	66	-----	-----	-----	-----	-----	-----	1,713	-----	-----	33
-----	-----	8	184	80	-----	-----	-----	-----	-----	-----	1,617	-----	-----	34
125	-----	6	250	150	-----	-----	-----	-----	-----	-----	1,500	-----	-----	35
-----	-----	2	195	63	-----	-----	-----	-----	-----	-----	1,450	-----	-----	36
-----	-----	90	55	45	-----	-----	-----	-----	-----	-----	1,290	-----	-----	37
-----	-----	4	125	100	-----	-----	-----	-----	-----	-----	1,250	-----	-----	38
-----	-----	4	160	80	-----	-----	-----	-----	-----	-----	1,200	-----	-----	39
-----	-----	2	240	48	-----	-----	-----	-----	-----	-----	1,200	-----	-----	40
100	-----	3	120	60	-----	-----	-----	-----	-----	-----	1,200	-----	-----	41
-----	-----	75	60	25	-----	-----	-----	-----	-----	-----	-----	1,125	-----	42
3	-----	6	107	45	-----	-----	-----	-----	-----	-----	1,100	-----	-----	43
-----	-----	7	104	50	-----	-----	-----	-----	-----	-----	1,000	-----	-----	44
-----	-----	3	300	50	-----	-----	-----	-----	-----	-----	1,000	-----	-----	45
-----	-----	4	100	40	-----	-----	-----	-----	-----	-----	1,000	-----	-----	46
4	-----	10	90	70	-----	-----	-----	-----	-----	-----	1,000	-----	-----	47
-----	-----	3	100	40	-----	-----	-----	-----	-----	-----	1,000	-----	-----	48
422	-----	201	108	1,075	-----	-----	-----	-----	-----	-----	23,207	3,691	-----	49
1,677	-----	940	135	7,968	-----	-----	-----	10	-----	109,294	135,364	8,891	-----	-----
14,121	18,892	4,221	135	10,661	298,325	-----	121,600	91	41	1,405,534	154,060	368,783	72	-----

FIFTH DISTRICT, RECAPITULATION

Counties.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Vermilion.....	6	1,674,828	1,080,316	537,944	608	24,624	12,444	18,892

LOCAL MINES,

Edgar.....	6	18,266	-----	-----	-----	16,379	1,887	-----
Macon.....	1	77,938	-----	-----	-----	75,769	2,169	-----
Vermilion.....	113	253,549	-----	-----	-----	251,872	1,677	-----
Total.....	120	349,753	-----	-----	-----	344,020	5,733	-----

ALL MINES,

Edgar.....	6	18,266	-----	-----	-----	16,379	1,887	-----
Macon.....	1	77,938	-----	-----	-----	75,769	2,169	-----
Vermilion.....	119	1,928,377	1,080,316	537,944	608	276,496	14,121	18,892
Total.....	126	2,024,581	1,080,316	537,944	608	368,644	18,177	18,892

BY COUNTIES, SHIPPING MINES.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used. Number of motors in use.		Tons mined by—			Number of animals underground
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.			Machine.	Hand.	Stripping.	
3,281	135	2,693	298,325	-----	121,600	81	41	1,296,240	18,696	359,892	72

FIFTH DISTRICT

42	179	1,256	-----	-----	-----	-----	-----	-----	18,266	-----	-----
272	100	-----	-----	8,000	-----	9	-----	77,938	-----	-----	-----
940	135	7,968	-----	-----	-----	10	-----	109,294	135,364	8,891	-----
1,254	137	9,224	-----	8,000	-----	19	-----	187,232	153,630	8,891	-----

FIFTH DISTRICT

42	179	1,256	-----	-----	-----	-----	-----	-----	18,266	-----	-----
272	100	-----	-----	8,000	-----	9	-----	77,938	-----	-----	-----
4,221	135	10,661	298,325	-----	121,600	91	41	1,405,534	154,060	368,783	72
4,535	136	11,917	298,325	8,000	121,600	100	41	1,483,472	172,326	368,783	72

SIXTH DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Sixth Inspection District, comprising the coal producing counties of Greene, Jersey, Macoupin, Montgomery and Shelby, for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	5
Number of shipping mines.....	12
Number of local mines.....	40
Number of employees underground.....	4,497
Number of employees on surface.....	512
Total number employed.....	5,009
Tons of coal produced in shipping mines.....	2,594,413
Tons of coal produced in local mines.....	50,783
Tons of coal produced, total.....	2,645,196
Days operated, shipping mines, average.....	91
Days operated, local mines, average.....	136
Number of undercutting machines.....	82
Tons undercut	2,592,631
Tons mined by hand.....	52,565
Number of loading machines used.....	642
Tons loaded mechanically.....	2,475,056
Number of fatal accidents.....	57
Number of non-fatal accidents.....	195
Number of employees to each fatality.....	87.9
Number employed to each non-fatal accident.....	25.7
Tons of coal mined to each fatality.....	46,407
Tons mined to each non-fatal accident.....	13,565
Number of fatalities per 1,000 employed.....	11.4
Number injured per 1,000 employed.....	38.9

IDLE MINES.

Consolidated Coal Company, No. 7.
 Consolidated Coal Company, No. 14.
 Illinois Coal Corporation, No. 9.
 Indiana and Illinois Coal Corporation, No. 11.
 Indiana and Illinois Coal Corporation, No. 12.
 Indiana and Illinois Coal Corporation, No. 15.
 Madison Coal Corporation, No. 5.
 Perry Coal Company.
 Standard Oil Company, No. 1.
 Standard Oil Company, No. 2.

CHANGE OF NAME.

Illinois Colliery Company, No. 3, to Virden Coal Company.

MINE DISASTER.

On the morning of December 24th occurred one of the worst disasters in the history of the coal industry of this State. An explosion of gas at the Moweaqua Coal Company's mine, Moweaqua, Shelby County, killed 54 men, all that were in the mine at the time.

The following report is given by Mr. John G. Millhouse, Director of this Department.

MOWEAQUA.

"Honor and shame not from condition rise,
Act well your part. Therein the honor lies."

J. G. MILLHOUSE.

December 24th:

With the approach of the Christmas festivities there is always more or less apprehension among mining men in control of operations regarding unexpected accidents, which are more or less likely to occur at that season of the year. A careful review of our records proves that many accidents happen in coal mines at this time.

With this feeling in my mind, I entered my office in the Department of Mines and Minerals on December 24th at eight-thirty A. M. Assistant Director Peter Joyce had arrived before me on this particular morning and informed me that a gas explosion had taken place in the Moweaqua mine that morning. We thought at the time that the explosion was probably small in character, involving possibly the injury of one or two men. However, to satisfy myself, I called the Moweaqua Coal Company's office by 'phone, inquiring as to the extent of the explosion, and was informed that they did not know how serious it was (not having that information), and that a few men had gone down to investigate. I advised them to keep me informed as to what developments took place and as to how serious the explosion may have been.

It was then decided to order the Springfield Mine Rescue team to proceed at once to Moweaqua and render whatever assistance necessary. I also got into communication with Mr. John K. Fraser, State Mine Inspector for the District in which Moweaqua is located, advising him to proceed immediately to the scene of the explosion, also Mr. Thomas English, our State Mine Inspector-at-Large, and Mr. Harry Marshall, State Mine Inspector of the Springfield District, telling them to get in readiness to go to Moweaqua as soon as possible.

Not having received any telephonic information from Moweaqua, we decided to immediately proceed there, regardless of whether the explosion had been of minor or major proportions, leaving at ten A. M. We arrived at Moweaqua at eleven-fifteen A. M.

Upon inquiry it was found that no information was available as to what had happened, with the exception that the explosion must have been severe and that very slow headway had been made into the mine due

to many serious falls of debris on the roadway. Mr. Joyce, Mr. Marshall, Mr. English and I immediately dressed to go inside the mine. By this time Mr. Fraser had arrived and he went with us. Fully equipped with battery flashlights, we entered the mine.

After traveling from the shaft bottom inside into the mine some one thousand feet, approximately, the first indication of the explosion was that the overcast floor had been blown upward and had been temporarily repaired in order to conduct the air inside of the mine. Probably one hundred yards farther on we found timbers had been dislodged, causing a fall, and from there on in, the violence of the explosion was more evident and seemed to grow in intensity to the 13th and 14th South. A short distance west of this point we found men underneath the timbers trying to make an opening inside and with a very heavy obstruction before them. I was convinced that it would be some time before we could get an opening through this obstruction, it being very difficult and dangerous to work on.

Naturally, our first thought was the possibility of finding men alive inside of that point. Mr. William Decker, Chief of Police of Moweaqua, was one of the first men I met. He had been opening a roadway up to that point and advised me that he had done everything that he knew by way of sounding and other means of communication whereby he could get some reply from the inside. No response having been given to his signals, the situation seemed very desperate. Naturally myself and my associates were very much concerned.

We went back to the 13th and 14th South. The door into the back entry had been blown out and a canvas erected in order to conduct the ventilation up the Main West entry. Ventilation was none too good, the main roadway being blocked and the stoppings leading into the back entry outside of us being just temporarily repaired.

We had a conference as to what would be the best thing to do in the meantime with the hope that there might possibly be someone alive inside. I suggested: "There is only one thing I know of that we can do at the present time until we get an opening through the Main West entry, and if it is possible, I would like to get back behind this fall by traveling up the back entry and maybe work our way back from the 15th South and open up the Main West entry." I reminded my associates that in doing this, we were taking a rather desperate chance. There was a possibility of the air in the back entry being foul. We had no instruments with us other than a closed flame safety lamp and our physical senses to warn us of danger. They readily agreed to follow me in, whatever I should decide to do. A test was made of the air in the return airway for firedamp and it was found clear. We then, by the aid of our physical senses, tried to determine if the atmosphere contained carbon monoxide gas and found it was, in our judgment, safe to work in. As an additional precaution, we had three sets of men some fifty feet apart behind us, so in the event that we were overcome we could be removed immediately.

There was no indication of an explosion having taken place in the return airway. I remember saying: "I believe the good Lord is with us—so let us travel very carefully." We very slowly worked our way up

to the 15th South, without any physical or other inconvenience. We checked up and were satisfied that our condition was satisfactory. We found the overcast at the 15th South completely destroyed. So much so that it had the appearance of an abandoned structure. We then moved north to the Main West with the ventilation short-circuited at that point and giving a reasonable amount of fresh air.

At the Main West we found a very extensive fall. In fact, I believe much larger than that we found at the other end of the Main West entry. Realizing that we could not do anything there at that time, we retreated, and I started to cross over to the 16th South. As soon as I entered I detected the presence of carbon monoxide and it seemed to me that white-damp was present everywhere from there on. I immediately gave the order to retreat, informing the men that the atmospheric conditions were very dangerous and unfit to live in. After some difficulties, we finally reached the fresh air base.

December 25th:

At four o'clock on Christmas morning I again entered the mine and reached the point where the men were opening up the roadway, the rock at this point being still intact, and there seemed to be a hollow sound underneath, indicating that we were on top of the timbered roadway. I then went out of the mine and ordered a new crew of men, consisting of Mr. John Simpson and his men from Pana, to relieve the men who were working their way through the Main West. After thinking the matter over, I became convinced that these men were working on the top of timbers and directed Mr. Nicholas Stein, County Mine Inspector from Perry County, to go down and tell Mr. Simpson to discontinue driving ahead where he was and work his way down and see if he could get beneath the standing timbers. Strange as it may seem, Mr. Simpson found an opening, and immediately below him, four bodies in the man-trip that was standing at that point. Later on, eight other bodies were found at the same place. These bodies were taken out under very difficult conditions. After they were taken out, I re-entered the mine again on Sunday afternoon and continued on driving through to the 15th South. That seemed to be the key to the situation and I instructed Mr. Fraser that as soon as possible after we could get into the 15th South we would build an air bridge, which was done during Sunday night.

December 26th:

The air bridge having been constructed, entrance into the 15th South was made. A very heavy fall was evident all the way in this entry and after temporarily repairing what stoppings had been destroyed we finally got to the end of the fall, which probably was eight hundred feet long. From there on, the roadway was fairly clear.

The atmospheric conditions were very poor and we very cautiously advanced, with nothing but our safety lamps and canary birds to give us warning of any danger in the atmosphere. Mr. James Clusker, our Mine Rescue Superintendent, of Springfield, was a short distance in advance of us and found the motor-trip containing sixteen bodies. Six men were out of the trip and the rest in the cars, which were all close

together. The brake on the locomotive had been applied and the controller shut off.

We decided to stop further exploration until the bodies had been removed. However, Mr. Clusker, going in a little farther, discovered eleven other bodies lying on the abandoned sidetrack—numbering twenty-seven all told found in this section of the mine. Through the able work of Mr. John Simpson and his associates from Pana, these bodies were all wrapped in canvas, and with the willing help of many men were carried out of the mine. One hundred and twenty men were used in this work, which required courage and endurance. After the bodies were taken out of the mine I directed Mr. Fraser and two of his fellow inspectors to take care of the operations from there on and to explore the South entry for the purpose of finding out whether or not any other men were in this section of the mine. None were found.

At this point it may be well to say that my later investigations of this section of the mine convinced me that the eleven men found on the farther end came out from the inside after the explosion had taken place probably seven or eight hundred feet and that when they entered the foul atmosphere they died. I am inclined to believe that if they had gone inside and sealed themselves in they might have been alive today. Every indication satisfies me that this could have been done.

December 27th:

On the morning of December 27th I again re-entered the mine and upon reaching the 15th and 16th South found that it had been barricaded in order to force the air into the Main West and 15th North. At the 15th North switch a body had been found the night before severely burned from the effects of the explosion. In company with State Mine Inspectors White, Morgan and Plumlee, I entered the 15th North, where two abandoned rooms were found open: We found approximately three feet of gas at this point. We proceeded farther in and opened a crosscut, put a barricade on the main entrance and got the Mine Rescue team to go farther in and find another crosscut open if they could, which fortunately they found two or three hundred feet away. Removing the barricade, we followed the fresh air men in very slowly until we came to the next crosscut.

Mr. Fraser, Mr. Weir and a crew of men conducted the recovery work that night, at times meeting with large bodies of firedamp, and after meeting with many difficulties and after midnight, on December 28th, discovered seven bodies in a car, and a mule, at the inside of a fall.

December 28th:

Acting on the information given by Mr. Fraser and his associates on the work done during the night, we went into the 15th North and located the seven bodies in a car. The roadways were in very bad condition for traveling and the atmospheric conditions were very bad; so bad that I considered them unfit and unsafe for fresh air men to work in.

It was decided at that time to discontinue further explorations or the removal of these bodies until the ventilation had been improved, in

the interests of safety. Accordingly, I ordered all men out, with the exception of sufficient men to close up all crosscuts and brattice off the Main West entry, which, by the way, had not been very much disturbed by the explosion; also, seal off the 15th and 16th South and the 13th and 14th South and level off the roadways in order to make transportation better when ready to bring the remaining bodies out of the 15th North.

It must be borne in mind at all times that the haulage roads were practically unfit for traveling.

After the ventilation had been improved and the roadways made better, Mr. Fraser, Mr. Weir and the Benton Mine Rescue team removed the seven bodies to the bottom of the shaft.

December 29th:

During the morning, the seven bodies brought to the bottom of the shaft during the night were removed out of the mine. With the Springfield Mine Rescue crew, myself, and several Inspectors, and the Federal Bureau of Mines men, we continued our exploration into the 15th North. Ventilation was very slow and we could not advance very rapidly. Finally, we got close to what is known as the 5th and 6th East. Mr. Clusker and his Springfield Mine Rescue team advanced to where the parting was, and where we expected to find the bodies. The seven bodies were found where we expected to locate them at eleven A. M., but it was two P. M. when the fresh air men reached these bodies.

The atmospheric conditions at this point were unusually bad—so bad that the safety flame light would hardly burn. Mr. John Simpson and his associates from Pana proceeded to wrap the bodies in canvas and they were then removed for about three hundred feet out to our fresh air base. Having done this, Mr. Fraser and two other Inspectors and fifty-six men removed the bodies to the bottom of the shaft and they were then all removed out of the mine by about nine P. M., completing another tragic chapter in the history of coal mining in the State of Illinois.

THE ORIGIN OF THE EXPLOSION

Dwelling on the origin of the explosion, it is very difficult to decide with exactness, but I believe I have found a very reasonable cause for the same. It is thought that the seal in the 6th East was broken down after the men came out from working on a fire in the workings on the morning of the explosion at six A. M. When the mantrip passed by the 6th East, with the ventilation going in with them, it is quite possible that gas issued out of the 6th East to the main air current and possibly to some one hundred or one hundred and fifty feet to the parting, where the men got out of the cars. I am further led to believe that when the men stood up, the gas (being lighter than air) would naturally be found in the high part of the parting and was ignited by their open lights. Being of small amount, after ignition, it traveled like a fuse to the main body of gas in the 6th East. The severe violence found on the parting would indicate that a terrific power was required to lift a car and stand

it on its end. I have no doubt that the concussion had its effect on any gas that was lying outside of that part of the mine and in or around where the twelve men were found at the 15th South.

The mine map shows that there were abandoned workings at this point on the Main West 15th South that opened into the main airways into the back entry and it is possible that the North back entry opened into roadways of other entries back in behind this section of the mine.

A low barometric condition had existed in this part of the State of Illinois, beginning Thursday prior to the day of the disaster. On the morning of the explosion, at eight A. M., the barograph shows a drop of three-tenths of an inch in practically twenty minutes duration—a condition very favorable for gas to exude out of the old workings in any part of a mine that gas could be in. It seems strange that these workings, which had been abandoned for so many years, should give off gas in quantities sufficient to do the destruction which was done at that time.

There is every evidence that a minor and a major explosion took place that morning, the one of the 15th North 6th East being the minor explosion, and every indication shows that the major explosion took place on the Main West at the 15th South, connections being made at that point into the North back entry. The violence of the explosion seems to have radiated in all directions from this point, almost equi-distant.

The men who were found dead at this point were more severely burned than at any other place in the mine and the fact that this was the intake airway, gases could not have been brought from the inside at that time, so that a large body of gas must have come out of the 13th North, and these men—having open lights at that time—no doubt ignited the gas. However, there is no evidence of a coaldust explosion, and yet coaldust was found everywhere throughout the mine. That can be easily accounted for. The main roadways of this mine being heavily timbered, when the explosion took place the timbers were knocked out, dropping down shale, and rock containing shaledust, and, very naturally, prevented a coaldust explosion.

On the morning of the explosion, this mine had been examined by a certified Mine Examiner as required by law and my personal contact with this man leads me to believe that he is very conscientious in his duty. Had this man been a little later in his examination it is possible that he might have lost his own life.

There are many things in mines which we cannot foresee, no matter how careful we may be. Our work is all done in the dark (with the exception of artificial light), when we are in mines. We cannot see much. All the time we have many things to contend with that seem to come upon us unexpectedly.

It may be well to remember at this time that on the morning of December 24th, at approximately the same hour, a mild explosion took place in the Virden mine under practically the same conditions, whereby fifteen or sixteen men were slightly burned on their way to work that morning in a mantrip. State Inspector Fraser, upon investigating this particular accident, found an entry which had been abandoned for thirty

years and on that very morning it was still actively giving off gas in dangerous quantities. The same barometric conditions which affected Moweaqua affected the Virden mine.

The Mine Rescue teams which participated in the recovery work at the Moweaqua disaster were the Illinois Mine Rescue teams from Benton, Springfield, Duquoin and LaSalle; and the Superior Coal Company's Mine Rescue team from Gillespie.

The Inspectors who took an active part in the direction of the work were: State Mine Inspectors Harry Marshall, 4th District, Springfield; Fred T. Hodges, 5th District, Danville; John K. Fraser, 6th District, Carlinville; John White, 7th District, Collinsville; Edward Flynn, 9th District, Duquoin; James Weir, 10th District, Benton; George Bagwill, 11th District, Harrisburg and Arthur Plumlee, 12th District, Cambria; also Thomas English, State Mine Inspector-at-Large, Springfield, and W. L. Morgan, Economic Investigator, Greenville, and County Mine Inspectors: Nicholas Stein, of Perry County, Duquoin and Ray Kingston, Shelby County, Shelbyville.

The following is the report of the Commission appointed by me to investigate the accident:

Springfield, Illinois,
January 4, 1933.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
State House, Springfield, Illinois.*

SIR:—We, your investigation commission, appointed to inquire into the cause of the disaster at the Moweaqua Coal Corporation's Mine Number One, Moweaqua, Illinois, at eight A. M. on December twenty-fourth, 1932, beg to submit for your approval the result of our investigation, as follows—

Our investigation convinces us that the explosion originated from the 5th East off the 15th North by methane gas being released as a result of a fall of roof and concrectionary nodules falling against the seals, breaking them outward, the methane gas being carried into the air current inward to the men, who had just passed by in a car hauled by a mule. The men, arriving at the parting, in getting out of the car, evidently ignited the gas with their open lights, the flame traveling backward on the 15th North coming in contact with a large body of gas located at that point. The explosion, at this point, seems to have divided, going north and south.

We found the first empty car going in on the parting standing on its end, showing that the force of the explosion had traveled that way. The spraggs in the loaded car wheels being in reverse position indicated that the loaded cars had been pushed back towards the north. From the 5th East, traveling out south, indications showed that the force of the explosion had traveled outward also.

The 3rd and 4th East stoppings had been destroyed. On our first entrance in there, methane gas was found. At the 1st and 2nd East off the 15th North the stoppings had been destroyed and at the inside of the 15th North three feet of explosive gas was found outside of two old rooms.

There was evidence that gas had been given off in large quantities in all of these openings, which the first exploration proved. The greatest violence had taken place at the mantrip where twelve bodies were found outside of the 15th South in the cars and had radiated in all directions from that point, with the exception of the Main West inside of the 15th North and was less violent on the inside workings than it was throughout the mine.

We are convinced that due to a low barometric pressure taking place immediately after eight A. M. (a drop of .3 of an inch occurred at that time) would naturally cause gas to exude in greater volume from the old workings at this point.

The explosion in the 5th East no doubt forced gases from some of the old workings on the men located in the mantrip at the 15th South and being ignited by their open lights the explosion radiated with severe violence from that point in all directions.

There is also the probability that coaldust intensified the explosion, but we have found little evidence of coaldust being an active agent.

The violence of the explosion was such as to cause the roof to fall in the 15th South a distance of eight hundred feet and outward to near the 11th North towards the shaft bottom and into the 15th North for a distance of fifteen hundred feet, and from there in, the effect of the explosion decreased.

We are convinced that this disaster was caused by an explosion of methane gas, resulting in fifty-four men losing their lives.

(Signed)

THOMAS ENGLISH,

Inspector-at-Large;

JOHN K. FRASER,

State Mine Inspector, 6th District;

JAMES WEIR,

State Mine Inspector, 10th District;

W. L. MORGAN,

Economic Investigator.

I believe it would be fitting and proper at this time to say a word of praise concerning the men who so willingly and gladly offered their services at that terrible disaster. They responded nobly to the call for help and maintained the finest traditions of our industry, which coal mining men are proud to perpetuate whenever any of their fellow-workers are in danger or in need of assistance, regardless of what that danger may be. I feel proud of the industry and the men who belong to it, and deem it a privilege to be called one of them.

FATAL ACCIDENTS.

January 14, Evanisto Spotti, machine shoveler, age 53 years, married, was killed by a fall of coal in Consolidated Coal Company's No. 15 mine. He leaves a widow and three children.

February 13, George A. Krivi, miner, age 53 years, married, was killed by a fall of slate in Consolidated Coal Company's No. 15 mine. He leaves a widow and seven children.

March 18, Walter H. Puck, loader, age 50 years, married, was killed by a fall of slate in Gillespie Coal Company's mine. He leaves a widow.

December 24, a gas explosion occurred in the mine of the Moweaqua Coal Company, killing 54 men.

The list following gives the name, age, occupation and conjugal relation of each fatality.

Name.	Age.	Occupation.	Married or single.	Number of	
				Children.	Dependent.
Mike Potsie	52	Miner	Married	7	8
Andy Potsie	18	Miner	Single		
Charles Roff	45	Trackman	Married	1	2
James Roff	19	Miner	Single		
John Supina	41	Miner	Married	3	4
Andy Supina	19	Miner	Single		
Mike Tirpak	49	Miner	Married	8	9
Andy Tirpak	18	Miner	Single		
Charles McDonald, Sr.	62	Miner	Single	2	2
Charles McDonald, Jr.	18	Miner	Single		
Karl McDonald	23	Miner	Single		
Oliver Hudson	25	Miner	Married	2	3
Arthur Dove	48	Miner	Married		1
Thomas Jackson	55	Timberman	Married		1
Thomas Birley	44	Driver	Married	1	1
Earl Dowd	36	Driver	Married	5	6
Mike Rogillis	46	Driver	Married	5	6
Andy Kapilla	30	Miner	Married	2	3
Ed Campbell	50	Miner	Married	4	5
Charles Campbell	21	Miner	Married		1
Lynn Green	24	Miner	Married		1
David Cooley	65	Miner	Married		1
Roy Cathergood	39	Miner	Married	2	3
Sam Sigloski	26	Miner	Single		2
Mike Ploski	25	Miner	Married	1	2
Charles Woodring	25	Miner	Single		
John Corby	28	Miner	Married	1	2
Joe Krall	59	Miner	Single		
George Burrell, Jr.	27	Miner	Married	1	2
Zelva Davis	40	Motorman	Married	2	3
James Birley	46	Miner	Married	3	4
Jules Castinoulis	46	Driver	Married		1
Keneth Board	25	Miner	Single		1
Charles Yonikus	60	Miner	Married		1
Berne Sarver	22	Miner	Single		1
Raymond Sarver	21	Miner	Single		
Leonard Hartman	35	Driver	Married	5	6
Andy Corby, Jr.	25	Miner	Married	1	2
Roy Reatherford	40	Miner	Married		1
Charles Hartman	23	Miner	Single		1
John Hartselle	28	Miner	Single	2	2
Mox Jurie	45	Miner	Single		
Wm. Davidson	55	Miner	Single		
Loui Cabachi	45	Miner	Married	2	3
Hugh Thompson, Jr.	20	Miner	Single		
Andy Smorado	60	Miner	Married	1	2
George Ondes	41	Miner	Married	2	3
Joe Jurick	48	Miner	Married		1
Mike Negri	25	Miner	Single		2
Joe Negri	21	Miner	Single		
Mike Crinock	52	Miner	Married	1	2
Ross Portwood	50	Miner	Married		1
Andy Corby, Sr.	55	Timberman	Married		1
Chester Craven	50	Miner	Single		

Respectfully submitted,

JOHN K. FRASER,
Inspector.

FATAL CASUALTIES, SIXTH DISTRICT, 1932.

Date 1932.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num-ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Jan. 14	Evangelio Sporti	53	Machineman	Staunton	Consolidated Coal Co.	15	1		1	3	4	Falling coal.
Feb. 13	George A. Krivoi	50	Miner	Mt. Olive	Consolidated Coal Co.	15	1		1	7	8	Falling slate.
Mar. 12	Walt W. Peck	53	Leader	Gillespie	Gillespie Coal Co.		1		1		1	Falling slate.
Dec. 24	Mike Polesie	78	Miner	Mowesqua	Mowesqua Coal Co.		1		1	7	8	Gas explosion.
Dec. 24	Andy Polesie	45	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	1	2	Gas explosion.
Dec. 24	Charles Roff	45	Trackman	Mowesqua	Mowesqua Coal Co.		1	1	1	1	2	Gas explosion.
Dec. 24	James Roff	49	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	1	4	Gas explosion.
Dec. 24	John Supina	41	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	3	4	Gas explosion.
Dec. 24	Andy Tirpak	49	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	8	9	Gas explosion.
Dec. 24	Mike Tirpak	18	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Charles McDonald, Sr.	62	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Charles McDonald, Jr.	18	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Karl McDonald	23	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Oliver Hudson	25	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Arthur Dove	48	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Thomas Jackson	55	Timberman	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Thomas Jackson	44	Driver	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Earl Dowd	36	Driver	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Mike Rogitis	46	Driver	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Ed Campbell	30	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	5	6	Gas explosion.
Dec. 24	Andy Kapilla	50	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	5	6	Gas explosion.
Dec. 24	Charles Campbell	21	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	4	5	Gas explosion.
Dec. 24	Lynn Green	24	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	1	1	Gas explosion.
Dec. 24	David Cooley	65	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Roy Catherwood	39	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	Sam Sigloski	25	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	1	2	Gas explosion.
Dec. 24	Mike Flaski	26	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	1	2	Gas explosion.
Dec. 24	John Corby	28	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	1	2	Gas explosion.
Dec. 24	Doe Knell	59	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	1	2	Gas explosion.
Dec. 24	George Burrell, Jr.	27	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	1	2	Gas explosion.
Dec. 24	Zeava Davis	40	Moorman	Mowesqua	Mowesqua Coal Co.		1	1	1	2	3	Gas explosion.
Dec. 24	James Birley	46	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	3	4	Gas explosion.
Dec. 24	Jules Castinoulis	46	Driver	Mowesqua	Mowesqua Coal Co.		1	1	1	1	1	Gas explosion.
Dec. 24	Kenneth Board	60	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	1	1	Gas explosion.
Dec. 24	Charles Yonikus	60	Miner	Mowesqua	Mowesqua Coal Co.		1	1	1	1	1	Gas explosion.

Dec. 24	Berne Sarvor.	22	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Raymond Sarvor.	21	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Leonard Hartman.	23	Driver.	Moweaqua	Coal	Co.	1	1	5	Gas explosion.
Dec. 24	Andy Corby, Jr.	25	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Roy Reathorford.	40	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Charles Hartman.	23	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Charles Hariselle.	28	Miner.	Moweaqua	Coal	Co.	1	1	2	Gas explosion.
Dec. 24	Mox Jurick.	45	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Wm. Davidson.	55	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Lou Cabacchi.	45	Miner.	Moweaqua	Coal	Co.	1	1	2	Gas explosion.
Dec. 24	Hugh Thompson, Jr.	20	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Andy Smorad.	60	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	George Ondus.	41	Miner.	Moweaqua	Coal	Co.	1	1	2	Gas explosion.
Dec. 24	Joe Jurick.	48	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Mike Negri.	25	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Mike Grinock.	52	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Rosa Portwood.	50	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Andy Corby, Sr.	55	Timberman	Moweaqua	Coal	Co.	1	1	1	Gas explosion.
Dec. 24	Chester Cravet.	50	Miner.	Moweaqua	Coal	Co.	1	1	1	Gas explosion.

NON-FATAL ACCIDENTS, SIXTH DISTRICT.

Name of operator and mine.	Number injured.	Number not re- turned.	Days lost by men returned.		Loss of 7 but less than 30 days.		Loss of 30 or more days.		Month in which accident occurred.		
			Total.	Average.	Number injured.	Days lost.		Number injured.		Days lost.	
						Total.	Average.				Total.	Average.
Consolidated Coal Co., No. 15	31	---	1,013	33	19	234	12	779	65	January	42
Cusgrove-Meehan Coal Co., No. 5	10	---	203	20	7	79	11	124	41	February	43
Gillespie Coal Co.	18	7	235	21	8	87	11	148	49	March	49
Hillsboro Coal Co.	23	2	550	26	15	152	10	398	66	April	3
Indiana & Illinois Coal Corp., No. 10	33	9	217	28	12	217	18	674	56	May	---
Mowequa Coal Co.	5	---	102	41	4	55	14	1	47	June	---
Superior Coal Co., No. 1	15	1	573	41	6	90	15	483	60	July	4
Superior Coal Co., No. 2	20	1	676	35	7	108	15	562	47	August	1
Superior Coal Co., No. 3	21	---	850	40	10	195	19	455	60	September	1
Superior Coal Co., No. 4	15	---	615	41	5	104	21	511	51	October	5
Shipping mines	191	20	5,702	33	93	1,321	14	4,381	56	November	17
Local mines	4	---	105	26	3	28	9	77	77	December	30
Total	195	20	5,807	33	96	1,349	14	4,458	56		195

GREENE COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to locomotives.	Tons sold to local trade.
LOCAL MINES.							
1	V. A. Bowns.....	Roodhouse.....	9,838				9,838
2	A. N. Poli.....	Greenfield.....	4,365				4,365
3	Fred H. Whitehead.....	White Hall.....	2,296				2,296
4	Ralph Beck.....	Roodhouse.....	1,500				1,500
5	J. H. Little.....	Roodhouse.....	1,028				1,028
6	13 mines producing less than 1,000 tons each.....		5,415				5,316
Total 18 mines.....			24,442				24,342

JERSEY COUNTY

LOCAL MINES.							
1	Bott & Kruse.....	Brighton.....	1,400				1,400
2	4 mines producing less than 1,000 tons each.....		501				496
	Total 5 mines.....		1,901				1,896

MACOUPIN COUNTY

SHIPPING MINES.							
1	Consolidated Coal Co., No. 15.....	Mt. Olive.....	475,442	295,953	153,200		1,352
2	Superior Coal Co., No. 3.....	Gillespie.....	359,985		343,949		7,500
3	Superior Coal Co., No. 2.....	Gillespie.....	334,212		320,815		6,716
4	Superior Coal Co., No. 1.....	Gillespie.....	286,198		277,914		2,025
5	Superior Coal Co., No. 4.....	Gillespie.....	249,534		242,068		1,425
6	Gillespie Coal Co.....	Gillespie.....	206,612	194,976			8,867
7	Viriden Coal Co.....	Viriden.....	12,118	1,900			8,537
8	South Mine Coal Co.....	Carlinsville.....	6,305	1,891			4,414
	Total.....		1,930,406	494,720	1,337,946		40,836
LOCAL MINES.							
1	Ed. A. Bauser.....	Bunker Hill.....	6,030				6,000
2	5 mines producing less than 1,000 tons each.....		2,086				2,076
	Total.....		8,116				8,076
	Total 14 mines.....		1,938,522	494,720	1,337,946		48,912

SIXTH DISTRICT

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kgs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	3	270	30	-----	-----	-----	-----	-----	-----	9,838	-----	-----	1
-----	-----	14	175	200	-----	-----	-----	-----	-----	-----	4,365	-----	-----	2
-----	-----	4	328	77	-----	-----	-----	-----	-----	-----	2,296	-----	-----	3
-----	-----	12	120	200	-----	-----	-----	-----	-----	-----	1,500	-----	-----	4
-----	-----	2	225	-----	-----	-----	-----	-----	-----	-----	1,028	-----	-----	5
99	-----	57	133	281	-----	-----	-----	-----	-----	-----	5,415	-----	-----	6
99	-----	92	158	788	-----	-----	-----	-----	-----	-----	24,442	-----	-----	-----

SIXTH DISTRICT

-----	-----	6	200	2	-----	-----	-----	-----	-----	-----	1,400	-----	-----	1
5	-----	7	79	-----	-----	-----	-----	-----	-----	-----	501	-----	-----	2
5	-----	13	103	2	-----	-----	-----	-----	-----	-----	1,901	-----	-----	-----

SIXTH DISTRICT

16,071	8,866	566	112	-----	64,700	-----	21,500	13	24	475,442	-----	-----	9	1
8,536	-----	671	102	-----	-----	-----	49,100	4	16	359,985	-----	-----	3	2
6,681	-----	613	100	-----	-----	-----	37,600	13	17	334,212	-----	-----	4	3
6,259	-----	431	89	-----	-----	-----	39,650	4	16	286,198	-----	-----	3	4
6,041	-----	649	61	-----	-----	-----	38,500	5	19	249,534	-----	-----	2	5
740	2,029	165	148	-----	70,850	-----	-----	5	2	206,612	-----	-----	16	6
1,440	241	165	36	-----	252	-----	-----	3	1	12,118	-----	-----	4	7
-----	-----	16	51	84	-----	-----	-----	1	-----	6,305	-----	-----	4	8
45,768	11,136	3,306	87	336	125,550	-----	186,350	48	95	1,920,406	-----	-----	45	-----
30	-----	14	244	84	-----	-----	-----	1	-----	6,030	-----	-----	-----	1
10	-----	25	77	160	-----	-----	-----	-----	-----	-----	2,086	-----	-----	2
40	-----	39	105	244	-----	-----	-----	1	-----	6,030	2,086	-----	-----	-----
45,808	11,136	3,345	95	580	135,550	-----	186,350	49	95	1,936,436	2,086	-----	45	-----

MONTGOMERY COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
	SHIPPING MINES.						
1	Indiana & Illinois Coal Co., No. 10.....	Nokomis.....	307,409	181,298	125,474	-----	440
2	Hillsboro Coal Co.....	Hillsboro.....	172,172	107,892	37,676	-----	18,105
3	Cosgrove-Meehan Coal Co., No. 5.....	Panama.....	147,093	140,044	-----	-----	3,328
	Total 3 mines.....	-----	626,674	429,234	163,150	-----	21,873

SHELBY COUNTY

SHIPPING MINES.							
1	Moweaqua Coal Corp., No. 1.....	Moweaqua.....	37,333	2,724	-----	-----	30,403
LOCAL MINES.							
1	Arch Tallman.....	Shelbyville.....	5,443	-----	-----	-----	5,343
2	J. G. Root.....	Shelbyville.....	4,924	-----	-----	-----	4,924
3	Auld & Cruik.....	Shelbyville.....	2,100	-----	-----	-----	2,093
4	Okaw Coal Co.....	Shelbyville.....	1,300	-----	-----	-----	1,280
5	7 mines producing less than 1,000 tons each.....	-----	2,557	-----	-----	-----	2,506
	Total.....	-----	16,324	-----	-----	-----	16,146
	Total 12 mines.....	-----	53,657	2,724	-----	-----	46,549

SIXTH DISTRICT

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
197	-----	643	77	76	64,250	-----	-----	12	19	299,597	7,812	-----	-----	1
8,499	-----	241	137	1,892	-----	-----	-----	6	5	172,172	-----	-----	18	2
3,721	-----	425	63	-----	-----	-----	22,800	8	12	147,093	-----	-----	3	3
12,417	-----	1,309	92	1,968	64,250	-----	22,800	26	36	618,862	7,812	-----	21	-----

SIXTH DISTRICT

4,206	-----	109	113	770	-----	-----	-----	7	1	37,333	-----	-----	8	-----
100	-----	33	165	-----	-----	-----	-----	-----	-----	-----	5,443	-----	-----	1
-----	-----	37	180	-----	-----	-----	-----	-----	-----	-----	4,924	-----	-----	2
-----	-----	13	225	-----	-----	-----	-----	-----	-----	-----	2,100	-----	-----	3
20	-----	12	120	-----	-----	-----	-----	-----	-----	-----	1,300	-----	-----	4
51	-----	46	109	18	-----	-----	-----	-----	-----	-----	2,557	-----	-----	5
178	-----	141	132	18	-----	-----	-----	-----	-----	-----	16,324	-----	-----	-----
4,384	-----	250	130	788	-----	-----	-----	7	1	37,333	16,324	-----	8	-----

SIXTH DISTRICT, RECAPITULATION

Counties.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Macoupin.....	8	1,930,406	494,720	1,337,946	-----	40,836	45,768	11,136
Montgomery.....	3	626,674	429,234	163,150	-----	21,873	12,417	-----
Shelby.....	1	37,333	2,724	-----	-----	30,403	4,206	-----
Total.....	12	2,594,413	926,678	1,501,096	-----	93,112	62,391	11,136

LOCAL MINES,

Greene.....	18	24,442	-----	-----	-----	24,343	99	-----
Jersey.....	5	1,901	-----	-----	-----	1,896	5	-----
Macoupin.....	6	8,116	-----	-----	-----	8,076	40	-----
Shelby.....	11	16,324	-----	-----	-----	16,146	178	-----
Total.....	40	50,783	-----	-----	-----	50,461	322	-----

ALL MINES,

Greene.....	18	24,442	-----	-----	-----	24,343	99	-----
Jersey.....	5	1,901	-----	-----	-----	1,896	5	-----
Macoupin.....	14	1,938,522	494,720	1,337,946	-----	48,912	45,808	11,136
Montgomery.....	3	626,674	429,234	163,150	-----	21,873	12,417	-----
Shelby.....	12	53,657	2,724	-----	-----	46,549	4,384	-----
Total.....	52	2,645,196	926,678	1,501,096	-----	143,573	62,713	11,136

BY COUNTIES, SHIPPING MINES.

Total em- ployees.	Days oper- ated.	Explosives used for blasting coal.					Number of mining ma- chines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Pow- der— kegs.	Pellet pow- der— pounds.	Dyna- mite— pounds.	Permis- sibles— pounds.	Machine.			Hand.	Stripping.		
3,306	87	336	135,550	-----	186,350	48	95	1,930,406	-----	-----	-----	45
1,309	92	1,968	64,250	-----	22,800	26	36	618,862	7,812	-----	-----	21
109	113	770	-----	-----	-----	7	1	37,333	-----	-----	-----	8
4,724	91	3,074	199,800	-----	209,150	81	132	2,586,601	7,812	-----	-----	74

SIXTH DISTRICT

92	158	788	-----	-----	-----	-----	-----	-----	24,442	-----	-----	-----
13	103	2	-----	-----	-----	-----	-----	-----	1,901	-----	-----	-----
39	105	244	-----	-----	-----	1	-----	6,030	2,086	-----	-----	-----
141	132	18	-----	-----	-----	-----	-----	-----	16,324	-----	-----	-----
285	136	1,052	-----	-----	-----	1	-----	6,030	44,753	-----	-----	-----

SIXTH DISTRICT

92	158	788	-----	-----	-----	-----	-----	-----	24,442	-----	-----	-----
13	103	2	-----	-----	-----	-----	-----	-----	1,901	-----	-----	-----
3,345	95	580	135,550	-----	186,350	49	95	1,936,436	2,086	-----	-----	45
1,309	92	1,968	64,250	-----	22,800	26	36	618,862	7,812	-----	-----	21
250	130	788	-----	-----	-----	7	1	37,333	16,324	-----	-----	8
5,009	126	4,126	199,800	-----	209,150	82	132	2,592,631	52,565	-----	-----	74

SEVENTH DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this, the Seventh Inspection District, comprising the coal producing counties of Bond, Madison and Marion, for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	3
Number of shipping mines.....	12
Number of local mines.....	12
Number of employees underground.....	2,391
Number of employees on surface.....	292
Total number employed.....	2,683
Tons of coal produced in shipping mines.....	1,320,089
Tons of coal produced in local mines.....	80,655
Tons of coal produced, total.....	1,400,744
Days operated, shipping mines, average.....	120
Days operated, local mines, average.....	172
Number of undercutting machines.....	75
Tons undercut	1,306,110
Tons mined by hand.....	94,634
Number of loading machines used.....	143
Tons loaded mechanically.....	868,085
Number of fatal accidents.....	4
Number of non-fatal accidents.....	147
Number of employees to each fatality.....	671
Number employed to each non-fatal accident.....	18.2
Tons of coal mined to each fatality.....	350,186
Tons mined to each non-fatal accident.....	9,529
Number of fatalities per 1,000 employed.....	1.5
Number injured per 1,000 employed.....	54.8

IDLE MINES.

Henrietta Coal Company, H. T.
Lumaghi Coal Company, No. 3.
Madison Coal Corporation, No. 2.
Bunker Hill Coal Company operated as a local mine.

CHANGE OF NAME.

Pocahontas Mining Company to Illinois Pocahontas Coal Company.
New Staunton Coal Company to Livingston-Mt. Olive Coal Company.

Peabody Coal Company, No. 17, to Madison County Coal & Mining Company.

Troy Coal Company to Chicopee Coal Company.

FATAL ACCIDENTS.

March 15, Frank Klein, loader, age 45 years, married, was killed in Lumaghi Coal Company's mine by a fall of coal from face. He leaves a widow and one child.

October 27, George Kerin, loader, age 24 years, single, was killed in Livingston and Mt. Olive Coal Company's mine by a fall of rock.

November 18, Mike Cardeo, miner, age 51 years, married, was killed by a falling prop in Lumaghi Coal Company's No. 2 mine. He leaves a widow and three children.

December 17, George Phillippi, triprider, age 25 years, single, was caught by runaway cars and killed, in Livingston-Mt. Olive Coal Company's mine.

Respectfully submitted,

JOHN WHITE.
Inspector.

FATAL CASUALTIES, SEVENTH DISTRICT, 1932.

Date, 1932.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Mar. 15	Frank Klein.....	45	Loader.....	Collinsville.....	Lumaghi Coal Co.....	2	1	-----	1	1	2	Coal falling from face.
Oct. 27	George Kerin.....	24	Loader.....	Livingston.....	Livingston-Mt. Olive Coal Co.....	-----	-----	1	-----	-----	-----	Falling rock.
Nov. 18	Mike Cardeo.....	51	Miner.....	Collinsville.....	Lumaghi Coal Co.....	2	1	-----	1	3	4	Falling prop.
Dec. 17	Joe Phillippi.....	25	Trip rider.....	Livingston.....	Livingston-Mt. Olive Coal Co.....	-----	-----	1	-----	-----	1	Runaway car.

NON-FATAL ACCIDENTS, SEVENTH DISTRICT.

Name of operator and mine.	Number injured.	Number not re- turned.	Days lost by men returned.		Loss of 7 but less than 30 days.			Loss of 30 or more days.			Month in which accident occurred.	
			Total.	Average.	Number injured.	Days lost.		Number injured.	Days lost.			
						Total.	Average.		Total.	Average.		
Carlin Coal Co	3	1	53	26	1	21	21	21	1	32	32 January	8
Chicopee Coal Co	4	—	96	24	3	66	66	22	1	30	30 February	15
Collinsville Coal Corp	5	—	102	20	4	66	16	16	1	36	36 March	27
Henrietta Coal Co, Hen	4	—	35	12	3	35	12	12	—	—	— April	8
Illinois Pocahontas Coal Co	9	1	72	18	3	42	14	14	1	30	30 May	13
Lavngston-Mt. Olive Coal Co	29	5	726	26	20	295	15	15	8	430	54 June	8
Lumaghi Coal Co	41	1	1,446	35	20	305	15	15	21	1,141	54 July	8
Marion County Coal Co	10	—	250	25	6	72	12	12	4	178	44 August	7
Mt. Olive & Staunton Coal Co	27	5	623	23	11	108	10	10	11	515	47 September	3
Odin Coal Co	2	—	62	31	—	—	—	—	2	62	31 October	12
Shipping mines	134	13	3,465	28	71	1,011	14	14	50	2,454	49 November	25
Local mines	13	—	350	27	8	123	15	15	5	227	45 December	16
Total	147	13	3,815	28	79	1,134	14	14	55	2,681	49	147

BOND COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
	SHIPPING MINES.						
1	Illinois-Pocahontas Coal Co.-----	Pocahontas-----	36,549	25,128	2,755	-----	5,840

MADISON COUNTY

SHIPPING MINES.							
1	Mt. Olive & Staunton Coal Co., No. 2	Staunton	289,485	258,389	8,059		7,231
2	Lumaghi Coal Co., No. 2	Collinsville	278,389	245,034	30,888		
3	Livingston-Mt. Olive Coal Co., No. 1	Livingston	133,145	82,061	33,870		11,468
4	Chicopee Coal Co., No. 1	Troy	81,257	55,971	3,751		15,923
5	Collinsville Coal Corp.	Collinsville	64,642	573			62,369
6	Bullock Mining Co.	Collinsville	26,624	4,888			21,436
7	Henrietta Coal Co., Hen	Edwardsville	15,962	2,210			12,439
8	Carlin Coal & Mining Co.	Bethalto	11,691	1,233			9,794
9	Madison County Coal & Mining Co., No. 4	Edwardsville	8,400	8,400			
Total			909,595	658,759	76,568		140,660
LOCAL MINES.							
1	Bunker Hill Coal Co.	Collinsville	39,890				38,150
2	Sugar Loaf Coal Corp.	Collinsville	11,500				11,500
3	East Side Coal Co.	Edwardsville	7,134				6,773
4	L. O. Woods	Bethalto	4,550				4,550
5	Culp Grove Coal Co.	Alton	4,000				3,800
6	Klodike Coal Co.	Worden	3,451				2,637
7	Wm. H. Wilkening	Moro	3,138				3,138
8	Glen Carbon Coal Co., Inc.	Collinsville	2,560				2,310
9	Draper-Johnson	Alton	1,564				1,554
10	Fred Hausman	Bethalto	1,548				1,548
11	2 mines producing less than 1,000 tons		1,320				1,320
Total			80,655				77,280
Total 21 mines			990,250	658,759	76,568		217,940

MARION COUNTY

SHIPPING MINES.							
1	Marion County Coal Co.	Centralia	293,163	199,346	47,334		21,155
2	Odin Coal Co.	Odin	80,782	38,004	13,301		19,601
Total 2 mines			373,945	237,350	60,635		40,756

SEVENTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
1,980	846	212	98	-----	3,750	-----	-----	5	1	36,549	-----	-----	6	1

SEVENTH DISTRICT.

5,792	10,014	571	101	-----	68,308	-----	75	11	3	289,485	-----	-----	32	1
2,467	-----	334	133	223	59,165	-----	-----	8	13	278,389	-----	-----	5	2
5,055	691	360	110	1,181	-----	-----	-----	10	9	133,145	-----	-----	1	3
5,371	241	135	147	-----	10,625	-----	-----	5	2	81,257	-----	-----	12	4
1,200	500	65	181	-----	998	-----	-----	3	-----	19,353	45,289	-----	5	5
300	-----	78	93	1,055	-----	-----	-----	-----	-----	-----	26,624	-----	5	6
1,313	-----	54	85	-----	2,600	-----	-----	5	-----	15,962	-----	-----	6	7
520	144	31	174	13	1,400	-----	-----	1	-----	11,024	667	-----	2	8
-----	-----	257	23	190	-----	50	-----	3	a	8,400	-----	-----	a	9
22,018	11,500	1,885	116	2,662	143,096	50	75	46	27	837,015	72,580	-----	69	-----
1,740	-----	52	167	380	-----	-----	-----	2	-----	39,890	-----	-----	-----	1
361	-----	17	275	200	-----	-----	-----	1	-----	10,500	1,000	-----	-----	2
-----	-----	18	200	344	-----	-----	-----	-----	-----	7,134	-----	-----	-----	3
-----	-----	8	182	75	-----	-----	-----	-----	-----	4,550	-----	-----	-----	4
200	-----	10	230	50	-----	-----	-----	1	-----	4,000	-----	-----	-----	5
814	-----	11	127	120	-----	-----	-----	1	-----	1,651	1,800	-----	-----	6
-----	-----	8	150	42	-----	-----	-----	-----	-----	-----	3,138	-----	-----	7
250	-----	14	50	50	-----	-----	-----	1	-----	2,560	-----	-----	-----	8
10	-----	15	165	39	-----	-----	-----	-----	-----	-----	1,564	-----	-----	9
-----	-----	7	140	8	-----	-----	-----	-----	-----	-----	1,548	-----	-----	10
-----	-----	10	189	34	-----	-----	-----	-----	-----	-----	1,320	-----	-----	11
3,375	-----	170	172	1,342	-----	-----	-----	6	-----	58,601	22,054	-----	-----	-----
25,393	11,500	2,055	148	4,004	143,076	50	75	52	27	895,616	94,634	-----	69	-----

SEVENTH DISTRICT.

10,950	14,378	234	162	-----	-----	50,850	8	5	293,163	-----	-----	18	1
9,580	296	182	135	720	-----	-----	10	2	80,782	-----	-----	16	2
20,530	14,674	416	149	720	-----	50,850	18	7	373,945	-----	-----	34	-----

SEVENTH DISTRICT, RECAPITULATION

Counties.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Bond	1	36,549	25,128	2,755	-----	5,840	1,980	846
Madison	9	909,595	658,759	76,568	-----	140,660	22,018	11,590
Marion	2	373,945	237,350	60,635	-----	40,756	20,530	14,674
Total	12	1,320,089	921,237	139,958	-----	187,256	44,528	27,110

LOCAL MINES,

Madison	12	80,655	-----	-----	-----	77,280	3,375	-----
---------------	----	--------	-------	-------	-------	--------	-------	-------

ALL MINES,

Bond	1	36,549	25,128	2,755	-----	5,840	1,980	846
Madison	21	990,250	658,759	76,568	-----	217,940	25,393	11,590
Marion	2	373,945	237,350	60,635	-----	40,756	20,530	14,674
Total	24	1,400,744	921,237	139,958	-----	264,536	47,903	27,110

BY COUNTIES, SHIPPING MINES.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.			Machine.	Hand.	Stripping.	
212	98		3,750			5	1	36,549			6
1,885	116	2,662	143,096	50	75	46	27	837,015	72,580		69
416	149	720			50,850	18	7	373,945			34
2,513	120	3,382	146,846	50	50,925	69	35	1,247,509	72,580		109

SEVENTH DISTRICT.

170	172	1,342				6		58,601	22,054		
-----	-----	-------	--	--	--	---	--	--------	--------	--	--

SEVENTH DISTRICT.

212	98		3,750			5	1	36,549			6
2,055	148	4,004	143,096	50	75	52	27	895,616	94,634		69
416	149	720			50,850	18	7	373,945			34
2,683	146	4,724	146,846	50	50,925	75	35	1,306,110	94,634		109

EIGHTH DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this, the Eighth Inspection District, comprising the coal producing counties of Clinton, Monroe and St. Clair, for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	3
Number of shipping mines.....	30
Number of local mines.....	33
Number of employees underground.....	2,989
Number of employees on surface.....	506
Total number employed.....	3,495
Tons of coal produced in shipping mines.....	1,905,835
Tons of coal produced in local mines.....	357,601
Tons of coal produced, total.....	2,263,436
Days operated, shipping mines, average.....	96
Days operated, local mines, average.....	147
Number of undercutting machines.....	69
Tons undercut	1,002,158
Tons mined by hand.....	1,008,328
Tons mined in strip mines.....	252,950
Number of loading machines used.....	97
Tons loaded mechanically.....	815,936
Number of fatal accidents.....	2
Number of non-fatal accidents.....	112
Number of employees to each fatality.....	1,747
Number employed to each non-fatal accident.....	31.2
Tons of coal mined to each fatality.....	1,131,718
Tons mined to each non-fatal accident.....	20,209
Number of fatalities per 1,000 employed.....	.6
Number injured per 1,000 employed.....	32

IDLE MINES.

Fullerton Coal Company.
Hippard Coal Company.
Kolb Coal Company, No. 1.
Miller Coal Company.
Perry Coal Company, Supr.
New National Coal Company operated as a local mine.

CHANGE OF NAME.

Breese-Trenton Mining Company, East, to Citizens Coal Company.
Breese-Trenton Mining Company, North, to Beckemeyer Coal Company.
Caseyville Coal Company to Sargent Coal Company.
Enterprise Coal Company to Piazza Coal Company.
Lyle Coal Company to Gill Coal Company.

FATAL ACCIDENTS.

October 6, C. M. Bruezzman, fireman, age 20 years, single, was caught on main shaft of fan and instantly killed at Power Coal Company's mine.

December 10, Frank Staehle, miner, age 58 years, married, was killed in Power Coal Company's mine by a fall of rock. He leaves a widow.

Respectfully submitted,

JAMES R. RICHARDS,
Inspector.

FATAL CASUALTIES, EIGHTH DISTRICT, 1932.

Date, 1932.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Oct. 6 Dec. 10	C. M. Bruezzman Frank Staehle	20 58	Fireman Miner	Freeburg Freeburg	Power Coal Co. Power Coal Co.		1	1	1		1	Caught on fan shaft. Falling rock.

NON-FATAL ACCIDENTS, EIGHTH DISTRICT.

Name of operator and mine.	Number injured.	Number not re- turned.	Days lost by men returned.		Loss of 7 but less than 30 days.		Loss of 30 or more days.		Month in which accident occurred.	Number injured.	
			Total.	Average.	Number injured.	Days lost.		Number injured.			Days lost.
						Total.	Average.				
Alcoa Ore Co.	2		61	30	1	28	28	1	33	January	
Citizens Coal Co.	1	1								February	
Edinvar Coal Co.	1		26	26	1	26	26			March	
Gill Coal Co.	1		31	31				1	31	April	
Golden Rule Coal Co.	4		127	32	2	35	17	2	92	May	
Groom Coal Co.	3		64	21	2	34	17	1	30	June	
Gundlach Coal Co.	6		141	23	5	109	22	1	32	July	
Guest Coal Co.	2		41	20	2	41	20			August	
Jones Bros. Coal Co., No. 1	2	1	42	42				1	42	September	
Lenzburg Coal Co.	5		105	21	4	67	17	1	38	October	
Kelb Coal Co., No. 2	1		21	21	1	21	21			November	
Okay Coal Co.	3		40	13	3	40	13			December	
Perry Coal Co., Carbon.	1		22	22	1	22	22				
Perry Coal Co., St. Ellen.	14	1	230	18	10	110	11	8	120		
Prairie Coal Co.	6		156	26	5	109	22	1	47		
Quality Coal Co.	4		110	27	3	50	17	1	60		
St. Louis & O'Fallon Coal Co., No. 2	14	7	231	33	4	75	19	3	156		
Service Coal Co.	4		78	19	3	48	16	1	30		
Southern Coal, Coke & Mining Co., No. 7	3	1	206	103				2	206		
Summit Coal Co.	1										
United Electric Coal Co., No. 13	2	1	15	15	1	15	15				
Vinegar Hill Coal Co.	4		81	20	3	50	17	1	31		
Shipping mines.	84	13	1,828	26	51	880	17	20	948		
Local mines.	28		577	21	20	330	16	8	247		
Total	112	13	2,405	24	71	1,210	17	28	1,155	42	

CLINTON COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINES.							
1	Southern Coal, Coke & Mining Co.	New Baden	42,541	31,067			6,398
2	Citizens Coal Co.	Breese	36,586	9,684	300		25,261
3	Beckemeyer Coal Co.	Beckemeyer	13,768	1,270	52		11,646
Total 3 mines			92,895	42,021	352		43,305

MONROE COUNTY

LOCAL MINES.							
1	7 mines producing less than 1,000 tons each.	-----	4,232	-----	-----	-----	4,195

ST. CLAIR COUNTY

SHIPPING MINES.							
1	St. Louis & O'Fallon Coal Co.	East St. Louis.	286,868	206,422	7,955	1,149	43,002
2	United Electric Coal Co., No. 13.	Freeburg.	247,531	124,447	115,483	-----	-----
3	Perry Coal Co., St. Ellen.	O'Fallon.	220,456	72,095	20,071	-----	125,289
4	Southern Coal, Coke & Mining Co., No. 7.	Belleville.	103,739	73,179	19,996	-----	5,612
5	Gundlach Coal Co.	East St. Louis.	95,231	35,143	35,217	850	23,071
6	Mulberry Hill Coal Co.	Freeburg.	86,104	35,758	15,237	-----	32,581
7	Perry Coal Co., Carbon.	O'Fallon.	85,755	17,857	46,214	-----	20,495
8	Alcoa Ore Co.	Belleville.	80,400	74,982	5,418	-----	-----
9	Vinegar Hill Coal Co.	Lenzburg.	79,897	75,172	-----	-----	2,589
10	Golden Rule Coal Co.	Lenzburg.	66,748	59,042	4,856	-----	1,000
11	Prairie Coal Co.	Belleville.	58,820	9,883	-----	-----	44,204
12	Service Coal Co.	Belleville.	47,578	1,025	-----	-----	42,353
13	Lenzburg Coal Co.	Lenzburg.	44,184	42,817	942	-----	225
14	Guest Coal Co.	Belleville.	42,441	10,732	-----	-----	27,934
15	White Coal Co.	Belleville.	42,357	3,813	-----	-----	37,982
16	Groom Coal Co.	Belleville.	38,858	16,236	-----	20,934	500
17	Quality Coal & Mining Co.	Belleville.	29,605	411	-----	-----	26,335
18	Okay Coal & Mining Co.	Marissa.	27,769	26,669	-----	-----	500
19	Power Coal Co.	Freeburg.	25,646	15,650	-----	-----	9,851
20	Eldnar Coal Co.	Belleville.	23,965	23,165	-----	-----	-----
21	Jones Bros. Coal Mining Co., No. 1.	Marissa.	18,193	13,276	-----	-----	4,435
22	Kolb Coal Co., No. 2.	Mascoutah.	17,104	2,800	-----	-----	13,324
23	Piazza Coal Co.	Belleville.	12,550	1,493	245	-----	10,557
24	Summit Coal & Mining Co.	Belleville.	11,561	8,784	-----	-----	2,460
25	Sargent Coal Co.	Caseyville.	9,413	553	-----	-----	7,560
26	Gill Coal Corp.	Marissa.	7,667	5,000	-----	-----	2,267
27	Perry Coal Co., Taylor.	O'Fallon.	2,200	104	1,449	-----	511
Total.			1,812,940	956,508	273,083	22,933	484,637

EIGHTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
5,076	-----	53	75	1,864	-----	-----	-----	-----	3	-----	42,541	-----	-----	1
1,341	-----	87	116	775	-----	-----	-----	2	2	24,200	12,386	-----	6	2
800	-----	74	50	-----	2,800	-----	-----	2	1	13,768	-----	-----	5	3
7,217	-----	214	80	2,639	2,800	-----	-----	4	6	37,968	54,927	-----	11	-----

EIGHTH DISTRICT.

37	-----	34	101	164	-----	-----	-----	2	-----	300	3,932	-----	-----	1
----	-------	----	-----	-----	-------	-------	-------	---	-------	-----	-------	-------	-------	---

EIGHTH DISTRICT.

17,281	11,059	424	116	3,715	-----	-----	-----	21	10	286,868	-----	-----	16	1
705	6,896	53	120	-----	-----	-----	-----	-----	-----	-----	-----	247,531	-----	2
3,001	-----	220	169	-----	-----	-----	-----	6	5	220,456	-----	-----	20	3
4,952	-----	127	104	4,494	-----	-----	-----	-----	2	-----	103,739	-----	22	4
250	700	108	110	23,500	-----	-----	-----	5	4	95,231	-----	-----	9	5
2,450	78	80	133	805	64,450	-----	-----	1	1	-----	86,104	-----	9	6
1,189	-----	108	158	4,524	-----	-----	-----	1	1	-----	85,755	-----	5	7
-----	-----	164	67	-----	-----	-----	10,050	5	5	80,400	-----	-----	14	8
2,136	-----	61	172	81,950	-----	-----	-----	4	1	79,897	-----	-----	4	9
800	1,050	63	117	58,500	-----	-----	-----	6	2	66,748	-----	-----	4	10
2,833	1,900	143	89	1,849	14,700	-----	-----	-----	2	-----	58,820	-----	8	11
1,200	3,000	91	175	1,730	1,200	-----	-----	-----	2	-----	47,578	-----	5	12
200	-----	52	126	720	22,000	-----	-----	-----	1	-----	44,184	-----	3	13
1,275	2,500	84	139	434	-----	-----	-----	4	1	42,441	-----	-----	5	14
562	-----	73	53	1,694	-----	-----	-----	2	2	-----	42,357	-----	5	15
1,000	188	96	45	32,375	-----	-----	-----	1	2	9,714	29,144	-----	8	16
-----	2,859	67	88	1,038	-----	-----	-----	-----	1	-----	29,605	-----	6	17
600	-----	97	60	1,250	-----	-----	-----	-----	1	-----	27,769	-----	4	18
445	-----	65	74	1,700	-----	-----	-----	-----	1	-----	25,946	-----	4	19
800	-----	32	169	25,000	-----	-----	-----	-----	1	-----	23,965	-----	2	20
482	-----	74	56	926	-----	-----	-----	-----	-----	-----	18,193	-----	6	21
980	-----	97	67	15,000	-----	-----	-----	-----	1	-----	17,104	-----	6	22
145	110	47	49	13,050	-----	-----	-----	2	1	800	11,750	-----	2	23
317	-----	30	97	550	-----	-----	-----	-----	-----	-----	11,561	-----	3	24
300	1,000	47	62	530	-----	-----	-----	-----	-----	-----	9,413	-----	4	25
300	100	76	34	350	-----	-----	-----	1	1	700	6,967	-----	4	26
136	-----	93	3	700	-----	-----	-----	2	1	2,200	-----	-----	6	27
44,339	31,440	2,672	98	26,309	352,425	-----	10,050	57	49	885,455	679,954	247,531	182	-----

ST. CLAIR COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Crown Coal Co.	Freeburg	40,517				40,177
2	Southern Coal, Coke & Mining Co., No. 6	Belleville	36,205				36,205
3	East Bell Coal Co.	Belleville	25,407				24,107
4	New National Coal & Mining Co., No. 1	Belleville	23,202				23,202
5	Bell-Heat Coal & Mining Co.	Belleville	22,355				22,305
6	Edgemont Coal Co.	Edgemont Sta.	20,064				20,015
7	Southern Coal, Coke & Mining Co., No. 1	Belleville	17,620				17,620
8	Schubert Coal Co.	Mascoutah	17,238				17,110
9	Pioneer Coal Co.	Belleville	17,135				17,135
10	Hippard Coal Co.	Belleville	15,743				15,196
11	Tower Grove Coal Co.	Belleville	13,798				13,308
12	John West, Fred West, Wm. Buhl	Caseyville	13,416				13,360
13	Safety First Coal Co.	Belleville	13,259				12,559
14	C. G. Stuhl	Belleville	13,000				10,000
15	New St. Clair Coal Co.	Caseyville	12,516				11,000
16	East Side Coal Co.	Freeburg	9,300				9,100
17	Pep Coal Co.	New Athens	9,061				8,778
18	Bluff View Coal Co.	Edgemont Sta.	7,848				7,798
19	Howard E. Miller	Caseyville	6,771				6,245
20	Reinheimer Slope Mine	Freeburg	6,274				5,374
21	William Travis	Belleville	2,773				2,773
22	High Prairie Coal Co.	Millstadt	2,760				2,760
23	A. D. Schorr	Millstadt	2,659				2,609
24	Fullerton Coal Co.	Belleville	1,781				1,503
25	Martin Piana	Edgemont	1,467				1,467
26	Fred Ziska	East St. Louis	1,200				1,200
Total			353,369				342,906
Total 53 mines			2,166,309	956,508	273,083	22,933	827,543

EIGHTH DISTRICT—Concluded.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
340		13	290	800							40,517			1
		60	132	1,526							36,205			2
1,300		51	142	985							25,407			3
		34	118		5,800			1		23,202				4
50		53	116	258				3		22,355				5
49		52	104	1,145							20,064			6
		43	91	728							17,620			7
128		20	209	643							17,238			8
		26	176	42				1		17,135				9
547		24	126	108				1		15,743				10
490		28	125	620							13,798			11
56		19	307	574							13,416			12
700		13	200	454							13,259			13
3,000		25	130	650							13,000			14
1,516		10	204	900							12,516			15
200		10	196	431							9,300			16
283		13	100	370							9,061			17
50		30	112	70							7,848			18
526		9	300								6,771			19
900		7	175	358							6,274			20
		9	124	153							2,773			21
		10	110	50								2,760		22
50		4	180									2,659		23
278		7	81	60							1,781			24
		4	175	80							1,467			25
		1	110	60							1,200			26
10,463		575	159	11,065	5,800			6		78,435	269,515	5,419		
54,802	31,440	3,247	128	37,374	358,225		10,050	63	49	963,890	949,469	252,950	182	

EIGHTH DISTRICT, RECAPITULATION

Counties.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Clinton.....	3	92,895	42,021	352	-----	43,305	7,217	-----
St. Clair.....	27	1,812,940	956,508	273,083	22,933	484,637	44,339	31,440
Total.....	30	1,905,835	998,529	273,435	22,933	527,942	51,556	31,440

LOCAL MINES,

Monroe.....	7	4,232	-----	-----	-----	4,195	37	-----
St. Clair.....	26	353,369	-----	-----	-----	342,906	10,463	-----
Total.....	33	357,601	-----	-----	-----	347,101	10,500	-----

ALL MINES,

Clinton.....	3	92,895	42,021	352	-----	43,305	7,217	-----
Monroe.....	7	4,232	-----	-----	-----	4,195	37	-----
St. Clair.....	53	2,166,309	956,508	273,083	22,933	827,543	54,802	31,440
Total.....	63	2,263,436	998,529	273,435	22,933	875,043	62,056	31,440

BY COUNTIES, SHIPPING MINES.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.			Machine.	Hand.	Stripping.	
214	80	2,639	2,800	-----	-----	4	6	37,968	54,927	-----	11
2,672	98	26,309	352,425	-----	10,050	57	49	885,455	679,954	247,531	182
2,886	96	28,948	355,225	-----	10,050	61	55	923,423	734,881	247,531	193

EIGHTH DISTRICT.

34	101	164	-----	-----	-----	2	-----	300	3,932	-----	-----
575	159	11,065	5,800	-----	-----	6	-----	78,435	269,515	5,419	-----
609	147	11,229	5,800	-----	-----	8	-----	78,735	273,447	5,419	-----

EIGHTH DISTRICT.

214	80	2,639	2,800	-----	-----	4	6	37,968	54,927	-----	11
34	710	164	-----	-----	-----	2	-----	300	3,932	-----	-----
3,247	128	37,374	358,225	-----	10,050	63	49	963,890	949,469	252,950	182
3,495	123	40,177	361,025	-----	10,050	69	55	1,002,158	1,008,328	252,950	193

NINTH DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this, the Ninth Inspection District, comprising the coal producing counties of Jackson, Perry, Randolph and Washington, for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	4
Number of shipping mines.....	22
Number of local mines.....	51
Number of employees underground.....	2,628
Number of employees on surface.....	1,271
Total number employed.....	3,899
Tons of coal produced in shipping mines.....	4,932,338
Tons of coal produced in local mines.....	123,429
Tons of coal produced, total.....	5,055,767
Days operated, shipping mines, average.....	109
Days operated, local mines, average.....	147
Number of undercutting machines.....	98
Tons undercut	1,521,693
Tons mined by hand.....	145,038
Tons mined in strip mines.....	3,389,036
Number of loading machines used.....	43
Tons loaded mechanically.....	914,429
Number of fatal accidents.....	4
Number of non-fatal accidents.....	131
Number of employees to each fatality.....	975
Number employed to each non-fatal accident.....	29.8
Tons of coal mined to each fatality.....	1,263,942
Tons mined to each non-fatal accident.....	38,593
Number of fatalities per 1,000 employed.....	1.03
Number injured per 1,000 employed.....	33.6

IDLE MINES.

Chicago Fuel Company, No. 2.
Jackson Coal Company.
Southern Gem Coal Company, No. 6.
Willis Coal Mining Company, No. 6.
Willis Coal Mining Company, No. 8.
Willis Coal Mining Company, No. 9.

CHANGE OF NAME.

Egyptian Coal Company to Winkle Coal Company.
Perry Coal Company to Coulterville Coal Company.
Wilson Coal Mining Company to Cutler Coal Company.
George Wilson Coal Company to Illmo Coal Company.
Little Muddy Coal Company to Colliery Coal Company.

FATAL ACCIDENTS.

January 17, Everett Bullar, car-mover, age 27 years, married, died from injuries received the day previous at the Truax-Traer Coal Company's No. 2 mine. Deceased was working on the ground taking care of car retarder. He had changed cars and was walking back, when someone threw a large piece of refuse coal off the loading boom, which struck him on the head. He leaves a widow and one child.

March 7, Thomas Lewis, miner, age 49 years, widower, died from injuries received from falling slate in Lewis and Eaton Coal Company's mine on January 10. He leaves one child.

August 31, Samuel Clark, machine runner, age 55 years, married, was killed in Crerar-Clinch Coal Company's No. 14 mine when struck by a piece of coal falling from the roof while riding in mine car from the bottom of the shaft. He leaves a widow and four children.

December 28, Elmer Cochran, trackman, age 41 years, married, was killed by railroad cars in Truax-Traer Coal Company's No. 1 mine. He leaves a widow and six children.

Respectfully submitted,

EDWARD S. FLYNN,
Inspector.

FATAL CASUALTIES, NINTH DISTRICT, 1932.

Date, 1932.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Jan. 17	Everett Bullar	27	Car mover	De Soto	Truax-Traer Coal Co.	2	1		1	1	2	Struck by piece of coal thrown from car.
Mar. 7	Thomas Lewis	49	Miner	Carbondale	Lewis & Eaton Coal Co.			1		1	2	Falling slate.
Aug. 31	Samuel Clark	55	Machineman	Duquoin	Crerar-Clinch Coal Co.	14	1		1	4	5	Falling coal.
Dec. 28	Elmer Cochran	41	Trackman	Elkville	Truax-Traer Coal Co.	1	1		1	6	7	Railway cars.

JACKSON COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINES.							
1	Union Colliery Co.	Dowell.....	530,612	422,703	92,496		1,482
2	Truax-Traer Coal Co., No. 2	DeSoto.....	420,506	214,415	204,945		1,146
3	Truax-Traer Coal Co., No. 1	Elkville.....	382,500	146,685	234,723		1,092
4	Little Muddy Coal Co., No. 1	Hurst.....	3,350	3,000			150
	Total.....		1,336,968	786,803	532,164		3,870
LOCAL MINES.							
1	Herman Chemness	Carbondale.....	12,000				12,000
2	Gus Blair, Big Muddy Coal Co.	Murphysboro.....	7,013				6,900
3	J. C. Swofford, No. 1	Carbondale.....	7,000				7,000
4	Templeton Bros. Coal Co.	Murphysboro.....	6,756				6,756
5	H. S. Phillips	Carbondale.....	3,500				3,000
6	Mausedhort & Henderson	Carbondale.....	3,120				3,120
7	J. C. Swofford, No. 2	Carbondale.....	2,000				2,000
8	G. A. Replogle & Son	Murphysboro.....	1,745				1,445
9	Smith & Sisney	DeSoto.....	1,720				1,610
10	Campbell Hill Coal Co.	Campbell Hill.....	1,508				1,448
11	E. H. Birkner	Oraville.....	1,506				1,506
12	Green Bros.	Carbondale.....	1,113				769
13	Poplar Ridge Coal Co.	Murphysboro.....	1,000				1,000
14	11 mines producing less than 1,000 tons each		4,454				4,413
	Total.....		54,435				52,967
	Total 28 mines.....		1,391,403	786,803	532,164		56,837

PERRY COUNTY

SHIPPING MINES.							
1	Pyramid Coal Corp.	Pinckneyville.....	1,011,574	451,296	548,640	-----	1,368
2	United Electric Coal Co., No. 11	Duquoin.....	1,006,824	571,330	403,032	-----	-----
3	Crerar Clinch Coal Co., No. 14	Duquoin.....	398,925	360,279	18,307	-----	2,576
4	Coal Stripping Co.	Pinckneyville.....	253,054	142,881	103,973	-----	-----
5	Crerar-Clinch Coal Co., No. 15	Duquoin.....	188,281	54,681	132,464	-----	454
6	Perfection Coal Co.	Duquoin.....	125,797	94,051	-----	22,444	9,302
7	Brewerton Coal Co., No. 45	Pinckneyville.....	28,042	9,944	12,887	3,555	1,354
8	Coulterville Coal Co.	Coulterville.....	18,243	8,880	6,436	-----	2,237
9	Winkle Coal Co.	Swanwick.....	16,549	15,910	-----	-----	527
10	Tamaroa Coal Co., No. 43	Tamaroa.....	6,102	1,010	-----	-----	4,247
11	Bailey Bros.	Duquoin.....	4,555	615	-----	-----	3,740
12	Cutler Coal & Mining Co.	Cutler.....	4,102	1,978	769	-----	1,040
13	Collier Coal Co.	Tamaroa.....	3,896	1,797	-----	-----	2,000
	Total.....	-----	3,065,944	1,714,152	1,226,508	25,999	28,845
LOCAL MINES.							
1	Langwith Coal Co.	Pinckneyville.....	4,370	-----	-----	-----	4,370
2	Patrick Coal Co.	Duquoin.....	3,236	-----	-----	-----	2,886
3	Carl J. Schlueter	Duquoin.....	2,517	-----	-----	-----	2,100
4	Ray Campbell	Duquoin.....	1,500	-----	-----	-----	1,500

NINTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
2,190	11,741	528	110	-----	-----	-----	66,150	20	29	530,612	-----	420,506	1	1
-----	-----	118	187	-----	-----	5,000	37,200	-----	-----	-----	-----	382,500	-----	2
-----	-----	144	185	-----	40,400	3,850	-----	-----	-----	-----	-----	-----	-----	3
200	-----	21	66	100	-----	-----	-----	-----	-----	-----	3,350	-----	-----	4
2,390	11,741	811	137	100	40,400	8,850	103,350	20	29	530,612	3,350	803,006	1	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	18	200	750	-----	-----	-----	-----	-----	-----	12,000	-----	-----	1
113	-----	18	225	77	-----	-----	-----	1	-----	7,013	-----	-----	-----	2
-----	-----	10	200	400	-----	-----	-----	-----	-----	-----	7,000	-----	-----	3
-----	-----	11	128	105	-----	-----	-----	1	-----	6,756	-----	-----	-----	4
500	-----	4	220	250	-----	-----	-----	-----	-----	-----	3,500	-----	-----	5
-----	-----	5	162	156	-----	-----	-----	-----	-----	-----	3,120	-----	-----	6
-----	-----	6	150	100	-----	-----	-----	-----	-----	-----	2,000	-----	-----	7
300	-----	12	260	31	-----	-----	-----	1	-----	1,000	745	-----	-----	8
110	-----	6	206	163	-----	-----	-----	-----	-----	-----	1,720	-----	-----	9
60	-----	4	128	102	-----	-----	-----	-----	-----	-----	1,508	-----	-----	10
-----	-----	5	75	106	-----	-----	-----	-----	-----	-----	1,506	-----	-----	11
344	-----	5	193	59	-----	-----	-----	-----	-----	-----	1,113	-----	-----	12
-----	-----	5	208	50	-----	-----	-----	-----	-----	-----	1,000	-----	-----	13
41	-----	41	106	255	-----	-----	-----	-----	-----	-----	3,954	500	-----	14
1,468	-----	150	147	2,604	-----	-----	-----	3	-----	14,769	39,166	500	-----	-----
3,858	11,741	961	145	2,704	40,400	8,850	103,350	23	29	545,381	42,516	803,506	1	-----

NINTH DISTRICT.

10,270	-----	200	232	-----	78,300	-----	9,000	-----	-----	-----	-----	1,011,574	-----	1
3,242	29,220	200	179	-----	-----	-----	-----	-----	-----	-----	-----	1,006,824	-----	2
9,449	8,314	640	106	-----	-----	-----	50,550	29	14	386,414	12,511	-----	12	3
6,700	-----	90	155	-----	-----	-----	18,000	-----	-----	-----	-----	253,054	-----	4
682	-----	71	120	280	21,400	1,100	200	-----	-----	-----	-----	188,281	-----	5
-----	-----	50	127	-----	-----	1,200	-----	-----	-----	-----	-----	125,797	-----	6
302	-----	138	42	953	-----	-----	-----	-----	2	-----	25,042	-----	6	7
600	-----	217	29	349	-----	-----	-----	5	2	16,990	1,253	-----	7	8
62	50	105	62	1,000	-----	1,400	1	2	-----	16,549	-----	-----	2	9
845	-----	19	199	217	-----	-----	-----	-----	-----	-----	6,102	-----	2	10
200	-----	15	100	160	-----	-----	-----	-----	-----	-----	4,555	-----	2	11
275	40	101	27	200	-----	-----	-----	2	1	4,102	-----	-----	4	12
99	-----	18	72	300	-----	-----	-----	-----	-----	-----	3,896	-----	8	13
32,816	37,624	1,864	112	2,459	100,700	2,300	79,150	37	21	424,055	56,359	2,585,530	43	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	9	176	160	-----	-----	-----	-----	-----	-----	4,370	-----	-----	1
350	-----	3	200	65	-----	-----	-----	1	-----	2,150	1,086	-----	-----	2
417	-----	8	230	63	-----	-----	-----	1	-----	1,617	900	-----	-----	3
-----	-----	6	100	80	-----	-----	-----	-----	-----	-----	1,500	-----	-----	4

PERRY COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
5	Hunter Alexander.....	Cutler.....	1,394	-----	-----	-----	1,349
6	T. J. Howell.....	Duquoin.....	1,164	-----	-----	-----	1,164
7	Hawk Taylor.....	Pinckneyville.....	1,083	-----	-----	-----	960
8	McMath Coal Co.....	Pinckneyville.....	1,001	-----	-----	-----	1,001
9	Roy, James & Miral Burnett.....	Duquoin.....	1,000	-----	-----	-----	900
10	Davison S. Henson.....	Pinckneyville.....	1,000	-----	-----	-----	1,000
11	4 mines producing less than 1,000 tons each.....	-----	2,319	-----	-----	-----	2,201
Total.....			20,584	-----	-----	-----	19,431
Total 27 mines.....			3,086,528	1,714,152	1,226,508	25,999	48,276

RANDOLPH COUNTY

SHIPPING MINES.							
1	Moffat Coal Co.....	Sparta.....	189,979	22,792	154,153	-----	4,012
2	Jones Bros. Coal Mining Co., No. 2.....	Marissa.....	3,282	2,062	-----	-----	400
3	Illmo Coal Co.....	Sparta.....	2,338	523	1,400	-----	276
Total.....			195,599	25,377	155,553	-----	4,688
LOCAL MINES.							
1	Syndicate Mining Co.....	Percy.....	9,950	-----	-----	-----	9,400
2	Lemon & McKelvey Coal Co.....	Sparta.....	9,803	-----	-----	-----	8,427
3	Beveridge Coal Co.....	Sparta.....	6,921	-----	-----	-----	6,421
4	Crain Coal Co.....	Percy.....	6,051	-----	-----	-----	5,551
5	Blair Coal Co.....	Sparta.....	3,321	-----	-----	-----	3,098
6	Harris & Robertson.....	Sparta.....	2,757	-----	-----	-----	2,392
7	Otto Kloth.....	Sparta.....	1,400	-----	-----	-----	1,100
8	4 mines producing less than 1,000 tons each.....	-----	1,707	-----	-----	-----	1,557
Total.....			41,910	-----	-----	-----	37,946
Total 14 mines.....			237,509	25,377	155,553	-----	42,634

WASHINGTON COUNTY

SHIPPING MINES.							
1	Centralia Coal Co., No. 5.....	Centralia.....	267,602	177,695	61,494	-----	16,738
2	Clarkson Coal & Mining Co.....	Nashville.....	66,225	16,636	11,755	28,216	7,565
Total.....			333,827	194,331	73,249	28,216	24,303
LOCAL MINES.							
1	Aug. Jansen.....	Lenzburg.....	3,500	-----	-----	-----	2,500
2	Adolph Brockschmidt.....	Venedy.....	3,000	-----	-----	-----	2,900
Total.....			6,500	-----	-----	-----	5,400
Total 4 mines.....			340,327	194,331	73,249	28,216	29,703

NINTH DISTRICT—Concluded.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
45	-----	6	122	55	-----	-----	-----	-----	-----	-----	1,394	-----	-----	5
-----	-----	4	180	42	-----	-----	-----	-----	-----	-----	1,164	-----	-----	6
123	-----	13	31	60	-----	-----	-----	-----	-----	-----	1,083	-----	-----	7
-----	-----	4	160	66	-----	-----	-----	-----	-----	-----	1,001	-----	-----	8
-----	-----	4	300	63	-----	-----	-----	-----	-----	-----	1,000	-----	-----	9
100	-----	10	30	60	-----	-----	-----	-----	-----	-----	1,000	-----	-----	10
-----	-----	27	86	113	-----	-----	-----	-----	-----	-----	2,319	-----	-----	11
118	-----	94	134	827	-----	-----	-----	2	-----	3,767	16,817	-----	-----	-----
1,153	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
33,969	37,624	1,958	123	3,286	100,760	2,300	79,150	39	21	427,822	73,176	2,585,530	43	-----

NINTH DISTRICT.

6,415	2,607	382	64	1,267	56,050	-----	-----	19	6	189,979	-----	-----	36	1
820	-----	147	9	161	-----	-----	-----	-----	-----	-----	3,282	-----	5	2
-----	139	13	37	100	-----	-----	-----	-----	-----	-----	2,338	-----	2	3
7,235	2,746	542	37	1,527	56,050	-----	-----	19	6	189,979	5,620	-----	43	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
550	-----	10	230	-----	1,800	-----	-----	1	-----	9,950	-----	-----	-----	1
1,376	-----	14	172	208	-----	-----	-----	1	-----	5,362	4,441	-----	-----	2
500	-----	12	205	240	-----	-----	-----	-----	-----	-----	6,921	-----	-----	3
500	-----	5	200	38	-----	-----	-----	1	-----	6,051	-----	-----	-----	4
223	-----	7	174	25	50	-----	-----	1	-----	3,321	-----	-----	-----	5
365	-----	10	150	118	-----	-----	-----	-----	-----	-----	2,757	-----	-----	6
300	-----	7	280	53	-----	-----	-----	-----	-----	-----	1,400	-----	-----	7
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
150	-----	15	81	127	-----	-----	-----	-----	-----	-----	1,707	-----	-----	8
3,964	-----	80	158	809	1,850	-----	-----	4	-----	24,684	17,226	-----	-----	-----
11,199	2,746	622	132	2,336	57,900	-----	-----	23	6	214,663	22,846	-----	43	-----

NINTH DISTRICT.

9,025	2,650	233	141	-----	-----	42,000	9	13	267,602	-----	-----	1	1
2,053	-----	113	154	209	-----	-----	4	1	66,225	-----	-----	8	2
11,078	2,650	346	148	209	-----	42,000	13	14	333,827	-----	-----	9	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1,000	-----	4	200	150	-----	-----	-----	-----	-----	3,500	-----	-----	1
100	-----	8	145	200	-----	-----	-----	-----	-----	3,000	-----	-----	2
1,100	-----	12	173	350	-----	-----	-----	-----	-----	6,500	-----	-----	-----
12,178	2,650	358	160	559	-----	42,000	13	14	333,827	6,500	-----	9	-----

NINTH DISTRICT, RECAPITULATION

Counties.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Jackson.....	4	1,336,968	786,803	532,164	-----	3,870	2,390	11,741
Perry.....	13	3,065,944	1,714,152	1,226,508	25,999	28,845	32,816	37,624
Randolph.....	3	195,599	25,377	155,553	-----	4,688	7,235	2,746
Washington.....	2	333,827	194,331	73,249	28,216	24,303	11,078	2,650
Total.....	22	4,932,338	2,720,663	1,987,474	54,215	61,706	53,519	54,761

LOCAL MINES,

Jackson.....	24	54,435	-----	-----	-----	52,967	1,468	-----
Perry.....	14	20,584	-----	-----	-----	19,431	1,153	-----
Randolph.....	11	41,910	-----	-----	-----	37,946	3,964	-----
Washington.....	2	6,560	-----	-----	-----	5,400	1,100	-----
Total.....	51	123,429	-----	-----	-----	115,744	7,685	-----

ALL MINES,

Jackson.....	28	1,391,403	786,803	532,164	-----	56,837	3,858	11,741
Perry.....	27	3,086,528	1,714,152	1,226,508	25,999	48,276	33,969	37,624
Randolph.....	14	237,509	25,377	155,553	-----	42,634	11,199	2,746
Washington.....	4	340,327	194,331	73,249	28,216	29,703	12,178	2,650
Total.....	73	5,055,767	2,720,663	1,987,474	54,215	177,450	61,204	54,761

BY COUNTIES, SHIPPING MINES.

Total em- ployees.	Days oper- ated.	Explosives used for blasting coal.				Number of mining ma- chines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Pow- der— kegs.	Pellet pow- der— pounds.	Dyna- mite— pounds.	Permis- sibles— pounds.			Machine.	Hand.	Stripping.	
811	137	100	40,400	8,850	103,350	20	29	530,612	3,350	803,006	1
1,864	112	2,459	100,700	2,300	79,150	37	21	424,055	56,359	2,585,530	43
542	37	1,527	56,050	-----	-----	19	6	189,979	5,620	-----	43
346	148	209	-----	-----	42,000	13	14	333,827	-----	-----	9
3,563	109	4,295	197,150	11,150	224,500	89	70	1,478,473	65,329	3,888,536	96

NINTH DISTRICT.

150	147	2,604	-----	-----	-----	3	-----	14,769	39,166	500	-----
94	134	827	-----	-----	-----	2	-----	3,767	16,817	-----	-----
80	158	809	1,850	-----	-----	4	-----	24,684	17,226	-----	-----
12	173	350	-----	-----	-----	-----	-----	-----	6,500	-----	-----
336	147	4,590	1,850	-----	-----	9	-----	43,220	79,709	500	-----

NINTH DISTRICT.

961	145	2,704	40,400	8,850	103,350	23	29	545,381	42,516	803,506	1
1,958	123	3,286	100,700	2,300	79,150	39	21	427,822	73,176	2,585,530	43
622	132	2,336	57,900	-----	-----	23	6	214,663	22,846	-----	43
358	160	559	-----	-----	42,000	13	14	333,827	6,500	-----	9
3,899	135	8,885	199,000	11,150	224,500	98	70	1,521,693	145,038	3,889,036	96

TENTH DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this, the Tenth Inspection District, comprising the coal producing county of Franklin, for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	1
Number of shipping mines.....	14
Number of local mines.....	.....
Number of employees underground.....	8,075
Number of employees on surface.....	1,366
Total number employed.....	9,441
Tons of coal produced in shipping mines.....	7,064,359
Tons of coal produced in local mines.....	.....
Tons of coal produced, total.....	7,064,359
Days operated, shipping mines, average.....	110
Days operated, local mines, average.....	.....
Number of undercutting machines.....	299
Tons undercut	7,064,359
Tons mined by hand.....	.....
Number of loading machines used.....	684
Tons loaded mechanically.....	5,312,097
Number of fatal accidents.....	10
Number of non-fatal accidents.....	624
Number of employees to each fatality.....	944
Number of employees to each non-fatal accident.....	15.1
Tons of coal mined to each fatality.....	706,436
Tons mined to each non-fatal accident.....	11,321
Number of fatalities per 1,000 employed.....	1.1
Number injured per 1,000 employed.....	66.1

IDLE MINES.

Black Star Coal Company.
Chicago, Wilmington & Franklin Coal Company, Benton No. 1.
Chicago, Wilmington & Franklin Coal Company, Benton No. 2.
Franklin County Mining Company.
Illinois Coal Corporation, No. 10.
Old Ben Coal Corporation, No. 9.
Old Ben Coal Corporation, No. 10.
Old Ben Coal Corporation, No. 11.
Old Ben Coal Corporation, No. 12.
Old Ben Coal Corporation, No. 16.
Old Ben Coal Corporation, No. 19.
U. S. Fuel Company.

FATAL ACCIDENTS.

February 8, Henry Whitfield, loader, age 62 years, single, was killed in Old Ben Coal Corporation's No. 14 mine by a fall of slate.

February 29, Floyd Strickland, triprider, age 32 years, married, was run over by a motor and killed in Peabody Coal Company's No. 19 mine. He leaves a widow and one child.

March 21, Frank Pergor, loading machine operator, age 43 years, married, died from injuries received the day before by coal falling from rib in Peabody Coal Company's mine No. 18. He leaves a widow and one child.

May 23, E. C. Richeson, top boss, age 38 years, married, died from injuries received three days earlier in C. W. & F. Coal Company's No. 1 mine. Deceased was superintending repair work in the tippie, when he slipped and fell to the ground, fracturing his skull. He leaves a widow and two children.

This fatality is not charged to production, as the mine was not in operation.

June 25, Bernard Kelley, motor boss, age 39 years, married, was killed at the Old Ben Coal Corporation's No. 11 mine. Mr. Kelley was assisting in placing a seal on top of the mine after an explosion had caused a fire underground. The seal was about completed when another explosion occurred, blowing the concrete and steel rails which made up the seal in every direction. Deceased was at the rear of the shaft and received the full force of the explosion through an opening in the wall surrounding the shaft. He leaves a widow and one child.

The mine, not being in operation, this fatality is not charged to the industry.

August 31, John Mondino, loader, age 59 years, married, was killed by falling coal in Old Ben Coal Corporation's No. 8 mine. He leaves a widow.

August 31, Daniel Bell, miner, age 42 years, married, was killed in Valier Coal Company's mine by a fall of rock. He leaves a widow and three children.

September 7, Ed Hickman, loading machine man, age 43 years, married, died from injuries received August 26, when caught by a fall of coal in Chicago, Wilmington & Franklin Coal Company's No. 2 mine. He leaves a widow.

September 20, L. H. Sweet, laborer, age 42 years, married, was struck by a hook attached to a steel rope used as a car retarder and killed in the yards of the Chicago, Wilmington & Franklin Coal Company's No. 2 mine. He leaves a widow and five children.

November 3, John Knapp, motor boss, age 45 years, married, was killed by a motor running over him in Chicago, Wilmington & Franklin Coal Company's No. 2 mine. He leaves a widow and three children.

December 11, Harry Ferrell, repairman, age 42 years, married, died from injuries received two days earlier when caught between car and coal rib in Chicago, Wilmington & Franklin Coal Company's No. 2 mine. He leaves a widow.

December 28, D. W. Derrington, trackman, age 42 years, married, was instantly killed by a fall of rock in Peabody Coal Company's No. 18 mine. He leaves a widow and two children.

Respectfully submitted,

JAMES WEIR,
Inspector.

FATAL CASUALTIES, TENTH DISTRICT, 1932.

Date, 1932.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Feb. 8	Henry Whitfield	62	Loader	Buckner	Old Ben Coal Corp.	14	1	1	1	1	2	Falling rock.
Feb. 29	Floyd Strickland	32	Trip rider	West City	Peabody Coal Co.	19	1	1	1	1	2	Motor.
Mar. 21	Frank Pergor	43	Loading machine operator	West Frankfort	Peabody Coal Co.	18	1	1	1	1	2	Falling coal.
Aug. 31	John Mondino	58	Loader	West Frankfort	Old Ben Coal Corp.	8	1	1	1	3	1	Falling coal.
Aug. 31	Daniel Bell	42	Miner	Sesser	Valier Coal Co.	1	1	1	1	1	4	Falling rock.
Sept. 7	Ed Hickman	43	Loading machine operator	West Frankfort	Chicago, Wilmington & Franklin Coal Co.	2	1	1	1	1	1	Falling rock.
Sept. 20	L. H. Sweet	42	Laborer	Thompsonville	Chicago, Wilmington & Franklin Coal Co.	2	1	1	1	5	6	Struck by hook.
Nov. 3	John Knapp	43	Motor boss	West Frankfort	Chicago, Wilmington & Franklin Coal Co.	2	1	1	1	3	4	Motor.
Dec. 11	Harry Ferrell	42	Repairman	Benton	Chicago, Wilmington & Franklin Coal Co.	2	1	1	1	1	1	Caught between car and rib.
Dec. 28	D. W. Derrington	42	Trackman	West Frankfort	Peabody Coal Co.	18	1	1	1	2	4	Falling rock.

FRANKLIN COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINES.							
1	Chicago, Wilmington & Franklin Coal Co., New Orient.....	W. Frankfort.....	1,061,576	792,159	239,700	-----	4,964
2	Bell & Zoller Coal & Mining Co., No. 2.....	Zeigler.....	756,006	570,148	115,254	-----	2,585
3	Valier Coal Co.....	Valier.....	710,761	-----	702,587	-----	2,417
4	Bell & Zoller Coal & Mining Co., No. 1.....	Zeigler.....	698,870	483,930	125,548	-----	5,812
5	Old Ben Coal Corp., No. 8.....	W. Frankfort.....	635,821	532,498	60,818	-----	5,359
6	Old Ben Coal Corp., No. 15.....	Ezra.....	611,925	479,331	99,787	-----	1,636
7	Chicago, Wilmington & Franklin Coal Co., Orient No. 1.....	Orient.....	538,578	387,648	117,299	-----	845
8	Peabody Coal Co., No. 19.....	W. Frankfort.....	453,490	445,520	-----	-----	1,985
9	Franklin County Coal Co., Inc., No. 7.....	Royalton.....	443,825	252,317	145,896	-----	3,774
10	Peabody Coal Co., No. 18.....	W. Frankfort.....	420,804	273,405	138,576	-----	78
11	Franklin County Coal Co., Inc., No. 5.....	Herrin.....	389,107	347,973	27,859	-----	4,777
12	Old Ben Coal Corp., No. 14.....	Buckner.....	197,425	152,572	41,214	-----	2,691
13	Brewerton Coal Co., No. 21.....	W. Frankfort.....	73,472	61,563	5,700	-----	1,353
14	Brewerton Coal Co., No. 22.....	Sesser.....	72,699	54,814	11,854	-----	752
Total 14 mines.....			7,064,359	4,833,878	1,832,092	-----	39,028

TENTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
2,680	22,073	1,218	102	-----	-----	-----	105,100	42	64	1,061,576	-----	-----	-----	1
11,190	56,829	1,039	117	-----	-----	-----	85,400	40	30	756,006	-----	-----	1	2
857	4,900	629	105	-----	-----	-----	116,700	26	41	710,761	-----	-----	-----	3
15,093	68,487	639	109	-----	-----	-----	-----	27	54	698,870	-----	-----	-----	4
439	36,707	598	140	-----	-----	-----	11,025	14	34	635,821	-----	-----	-----	5
4,878	26,293	529	152	-----	-----	-----	9,241	12	22	611,925	-----	-----	-----	6
15,455	17,331	1,005	114	-----	-----	-----	54,675	19	25	538,578	-----	-----	-----	7
5,985	-----	678	163	-----	-----	-----	57,975	22	4	453,490	-----	-----	38	8
9,830	32,008	628	141	-----	-----	-----	68,720	12	22	443,825	-----	-----	2	9
2,946	5,799	670	125	-----	-----	-----	79,500	20	24	420,804	-----	-----	1	10
7,420	1,078	635	114	-----	-----	-----	56,650	23	6	389,107	-----	-----	34	11
948	-----	727	49	-----	-----	-----	-----	22	25	197,425	-----	-----	-----	12
1,890	2,966	233	58	-----	-----	-----	10,025	11	18	73,472	-----	-----	-----	13
1,690	3,589	213	49	-----	-----	-----	14,500	9	11	72,699	-----	-----	-----	14
81,301	278,060	9,441	110	-----	-----	-----	669,511	299	380	7,064,359	-----	-----	76	

ELEVENTH DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this, the Eleventh Inspection District, comprising the coal producing counties of Gallatin, Pope, Saline, Wabash and White, for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	5
Number of shipping mines.....	10
Number of local mines.....	55
Number of employees underground.....	3,698
Number of employees on surface.....	589
Total number employed.....	4,287
Tons of coal produced in shipping mines.....	2,429,050
Tons of coal produced in local mines.....	63,810
Tons of coal produced, total.....	2,492,860
Days operated, shipping mines, average.....	108
Days operated, local mines, average.....	97
Number of undercutting machines.....	189
Tons undercut	2,136,920
Tons mined by hand.....	67,555
Tons mined in strip mines.....	288,375
Number of loading machines used.....	139
Tons loaded mechanically.....	819,703
Number of fatal accidents.....	3
Number of non-fatal accidents.....	302
Number of employees to each fatality.....	1,429
Number employed to each non-fatal accident.....	14.2
Tons of coal mined to each fatality.....	830,953
Tons mined to each non-fatal accident.....	8,255
Number of fatalities per 1,000 employed.....	.7
Number injured per 1,000 employed.....	7.04

IDLE MINES.

Harrisburg C. M. Company, No. 9.
Illinois Saline Coal Company.
O'Gara Coal Company, No. 8.
O'Gara Coal Company, No. 12.
O'Gara Coal Company, No. 15.
Peabody Coal Company, No. 42.
Peabody Coal Company, No. 44.
Peabody Coal Company, No. 46.

CHANGE OF NAME.

Fireband Fuel Company to Southern Illinois Coal Company.

FATAL ACCIDENTS.

February 25, Robert Gully, timberman, age 58 years, married, was killed in Peabody Coal Company's No. 47 mine by a fall of rock. He leaves a widow.

August 22, William Miller, miner, age 48 years, married, was struck by a runaway car and killed in Miller Coal Company's mine. He leaves a widow.

November 15, Horace Stone, miner, age 44 years, married, was killed in O'Gara's No. 1 mine by a fall of slate. He leaves a widow.

Respectfully submitted,

GEORGE BAGWILL.

Inspector.

FATAL CASUALTIES, ELEVENTH DISTRICT, 1932.

Date, 1932.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Feb. 25	Robert Gully	58	Timberman	Harrisburg	Peabody Coal Co.	47	1		1		1	Falling rock.
Aug. 22	Wm. Miller	48	Miner	Harrisburg	Miller Coal Co.		1		1		1	Pit car.
Nov. 15	Horace Stone	44	Miner	Harrisburg	O'Gara Coal Co.	1	1		1		1	Falling slate.

NON-FATAL ACCIDENTS, ELEVENTH DISTRICT.

Name of operator and mine.	Number injured.	Number not re- turned.	Days lost by men returned.		Loss of 7 but less than 30 days.			Loss of 30 or more days.		Month in which accident occurred.
			Total.	Average.	Number injured.	Days lost.		Number injured.		
						Total.	Average.			
Blue Bird Coal Co.	3	-----	134	45	2	27	13	107	107	January
O'Gara Coal Co., No. 1	35	2	1,221	37	11	171	15	22	48	February
O'Gara Coal Co., No. 3	34	-----	1,129	33	10	164	16	24	48	March
O'Gara Coal Co., No. 10	13	-----	379	29	5	74	15	965	40	April
Peabody Coal Co., No. 43	58	10	1,859	39	16	217	14	32	38	May
Peabody Coal Co., No. 47	88	12	2,436	37	38	567	15	38	51	June
Rex Coal Co.	24	1	887	39	14	200	14	9	76	July
Southern Illinois Coal Co.	11	7	130	32	2	31	16	2	50	August
Wasson Coal Co., No. 1	30	4	560	22	22	333	15	4	31	September
Wasson Coal Co., No. 2	2	1	10	10	1	10	10	-----	57	October
Shipping mines.	298	37	8,745	33	121	1,794	15	140	50	November
Local mines	4	2	62	31	-----	-----	-----	2	31	December
Total	302	39	8,807	33	121	1,794	15	142	49	
										302

GALLATIN COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Logan Highway Coal Co.	Junction.....	9,812				8,973
2	Mid City Coal Co.	Junction.....	8,040				7,310
3	Pekin Mining Co.	Equality.....	4,534				4,468
4	18 mines producing less than 1,000 tons each.		2,853				2,722
Total 21 mines.....			25,239				23,473

POPE COUNTY

LOCAL MINES.							
1	Sam Sisner	Golconda.....	50				50

SALINE COUNTY

SHIPPING MINES.							
1	Peabody Coal Co., No. 47.	Harco.....	423,737	342,249	67,543		2,014
2	O'Gara Coal Co., No. 1.	Harrisburg.....	356,854	324,009	29,262		7,130
3	Peabody Coal Co., No. 43.	Harrisburg.....	341,258	284,715	43,956		60,550
4	Blue Bird Coal Co., No. 1.	Carrier Mills.....	285,325	224,775			10,426
5	O'Gara Coal Co., No. 3.	Harrisburg.....	283,331	189,006	66,990		3,798
6	Rex Coal Co., No. 2.	Eldorado.....	262,237	245,072			3,859
7	Wasson Coal Co., No. 1.	Harrisburg.....	242,639	190,587	38,541		10,892
8	O'Gara Coal Co., No. 10.	Eldorado.....	197,095	122,499	57,053		50
9	Wasson Coal Co., A No. 2.	Carrier Mills.....	8,827	3,706	4,744		
	Total		2,401,303	1,926,618	308,089		98,719
LOCAL MINES.							
1	Lone Star Coal Co.	Carrier Mills.....	5,000				4,900
2	A. O. Strobel	Equality.....	3,156				2,630
3	Liberty Coal Co.	Harrisburg.....	3,096				3,046
4	Radium Coal Co.	Harrisburg.....	3,050				3,000
5	Cooperative Coal Co.	Equality.....	2,500				1,500
6	Logan Uzzle	Eldorado.....	2,400				1,900
7	C. & H. Coal Co.	Equality.....	1,492				1,092
8	Saline Valley Coal Co.	Equality.....	1,244				944
9	Isaac White	Equality.....	1,215				1,095
10	James Hewston	Equality.....	1,000				700
11	15 mines producing less than 1,000 tons each.		4,251				3,491
	Total		28,404				24,298
	Total 34 mines.		2,429,707	1,926,618	308,089		123,017

ELEVENTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
839	-----	22	190	294	-----	-----	-----	1	-----	9,812	-----	-----	-----	1
730	-----	11	215	60	-----	-----	-----	1	-----	8,040	-----	-----	-----	2
66	-----	12	155	261	-----	-----	-----	-----	-----	-----	4,534	-----	-----	3
131	-----	31	41	189	200	-----	-----	-----	-----	-----	2,853	-----	-----	4
1,766	-----	76	62	804	200	-----	-----	2	-----	17,852	7,387	-----	-----	

ELEVENTH DISTRICT.

-----	-----	1	25	4	-----	-----	-----	-----	-----	-----	50	-----	-----	1
-------	-------	---	----	---	-------	-------	-------	-------	-------	-------	----	-------	-------	---

ELEVENTH DISTRICT.

5,361	6,570	870	89	-----	-----	39,800	37	25	423,737	-----	-----	-----	-----	1
2,528	1,053	628	110	-----	11,575	30,200	42	17	356,854	-----	-----	-----	33	2
4,108	1,349	635	106	-----	-----	35,800	18	25	341,258	-----	-----	-----	9	3
-----	-----	113	228	-----	65,000	-----	-----	-----	-----	-----	285,325	-----	-----	4
6,414	10,495	343	141	-----	37,200	14,775	19	24	283,331	-----	-----	-----	2	5
5,852	7,515	285	130	-----	-----	21,400	10	18	262,237	-----	-----	-----	-----	6
6,406	3,246	564	89	53	34,225	400	29	12	242,639	-----	-----	-----	39	7
4,870	1,781	374	99	-----	-----	22,150	26	16	197,095	-----	-----	-----	44	8
327	-----	135	11	-----	1,050	-----	4	2	8,827	-----	-----	-----	-----	9
35,866	32,011	3,947	111	53	84,050	65,000	164,525	185	139	2,115,978	-----	285,325	127	
100	-----	6	160	300	-----	-----	-----	-----	-----	-----	5,000	-----	-----	1
526	-----	2	308	126	-----	-----	-----	-----	-----	-----	3,156	-----	-----	2
50	-----	6	247	206	-----	-----	-----	-----	-----	-----	3,096	-----	-----	3
50	-----	5	90	-----	750	-----	-----	-----	-----	-----	-----	3,050	-----	4
1,000	-----	8	225	50	-----	-----	-----	1	-----	2,500	-----	-----	-----	5
500	-----	4	200	160	-----	-----	-----	-----	-----	-----	2,400	-----	-----	6
400	-----	3	245	137	-----	-----	-----	-----	-----	-----	1,492	-----	-----	7
300	-----	8	130	83	-----	-----	-----	1	-----	600	-----	-----	-----	8
120	-----	5	200	150	-----	-----	-----	-----	-----	-----	1,215	-----	-----	9
300	-----	4	225	55	-----	-----	-----	-----	-----	-----	1,000	-----	-----	10
760	-----	42	70	625	-----	-----	-----	-----	-----	-----	4,251	-----	-----	11
4,106	-----	93	123	1,892	750	-----	-----	2	-----	3,100	22,254	3,050	-----	
39,972	32,011	4,040	120	1,945	84,800	65,000	164,525	187	139	2,119,078	22,254	288,375	127	

WABASH COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to locomotives.	Tons sold to local trade.
	LOCAL MINES.						
1	A. P. Coal Co.	Mt. Carmel	3,692				3,642
2	White City Coal Co.	Keensburg	3,600				2,900
3	6 mines producing less than 1,000 tons each		2,825				2,520
	Total 8 mines		10,117				9,062

WHITE COUNTY

SHIPPING MINES.							
1	Southern Illinois Coal Mining Co., No. 1	Norris City	27,747	12,473			11,817

ELEVENTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
50	-----	15	197	-----	4,725	-----	-----	-----	-----	-----	3,692	-----	-----	1
700	-----	9	200	500	-----	-----	-----	-----	-----	-----	3,600	-----	-----	2
305	-----	29	93	205	1,000	-----	-----	-----	-----	-----	2,825	-----	-----	3
1,055	-----	53	119	705	5,725	-----	-----	-----	-----	-----	10,117	-----	-----	

ELEVENTH DISTRICT.

2,580	877	117	81	101	2,525	-----	-----	-----	1	-----	27,747	-----	6	1
-------	-----	-----	----	-----	-------	-------	-------	-------	---	-------	--------	-------	---	---

ELEVENTH DISTRICT, RECAPITULATION

Counties.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Saline.....	9	2,401,303	1,926,618	308,089	-----	98,719	35,866	32,011
White.....	1	27,747	12,473	-----	-----	11,817	2,580	877
Total.....	10	2,429,050	1,939,091	308,089	-----	110,536	38,446	32,888

LOCAL MINES,

Gallatin.....	21	25,239	-----	-----	-----	23,473	1,766	-----
Pope.....	1	50	-----	-----	-----	50	-----	-----
Saline.....	25	28,404	-----	-----	-----	24,298	4,106	-----
Wabash.....	8	10,117	-----	-----	-----	9,062	1,055	-----
Total.....	55	63,810	-----	-----	-----	56,883	6,927	-----

ALL MINES,

Gallatin.....	21	25,239	-----	-----	-----	23,473	1,766	-----
Pope.....	1	50	-----	-----	-----	50	-----	-----
Saline.....	34	2,429,707	1,926,618	308,089	-----	123,017	39,972	32,011
Wabash.....	8	10,117	-----	-----	-----	9,062	1,055	-----
White.....	1	27,747	12,473	-----	-----	11,817	2,580	877
Total.....	65	2,492,860	1,939,091	308,089	-----	167,419	45,373	32,888

BY COUNTIES, SHIPPING MINES.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissible—pounds.			Machine.	Hand.	Stripping.	
3,947 117	111 81	53 101	84,050 2,525	65,000	164,525	185	139 1	2,115,978	27,747	285,325	127 6
4,064	108	154	86,575	65,000	164,525	185	140	2,115,978	27,747	285,325	133

ELEVENTH DISTRICT.

76 1 93 53	62 25 123 119	804 4 1,892 705	200 750 5,725	----- ----- -----	----- ----- -----	2 2 -----	----- ----- -----	17,852 3,100 -----	7,387 50 22,254 10,117	----- ----- 3,050 -----	----- ----- ----- -----
223	97	3,405	6,675	-----	-----	4	-----	20,952	39,808	3,050	-----

ELEVENTH DISTRICT.

76 1 4,040 53 117	62 25 120 119 81	804 4 1,945 705 101	200 750 84,800 5,725 2,525	----- ----- 65,000 ----- -----	----- ----- 164,525 ----- -----	2 ----- 187 ----- -----	----- ----- 139 1 -----	17,852 ----- 2,119,078 ----- -----	7,387 50 22,254 10,117 27,747	----- ----- 288,375 ----- -----	----- ----- 127 ----- 6
4,287	99	3,559	93,250	65,000	164,525	189	140	2,136,930	67,555	288,375	133

TWELFTH DISTRICT.

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this, the Twelfth Inspection District, comprising the coal producing counties of Johnson and Williamson, for the year ended December 31, 1932:

The items shown are summarized in the following general statement:

Number of counties producing coal.....	2
Number of shipping mines.....	18
Number of local mines.....	77
Number of employees underground.....	2,701
Number of employees on surface.....	483
Total number employed.....	3,184
Tons of coal produced in shipping mines.....	1,807,728
Tons of coal produced in local mines.....	127,350
Tons of coal produced, total.....	1,935,078
Days operated, shipping mines, average.....	89
Days operated, local mines, average.....	101
Number of undercutting machines.....	71
Tons undercut	1,741,361
Tons mined by hand.....	167,013
Tons mined in strip mines.....	26,704
Number of loading machines used.....	270
Tons loaded mechanically.....	1,639,010
Number of fatal accidents.....	7
Number of non-fatal accidents.....	190
Number of employees to each fatality.....	455
Number employed to each non-fatal accident.....	16.8
Tons of coal mined to each fatality.....	276,440
Tons mined to each non-fatal accident.....	10,185
Number of fatalities to 1,000 employed.....	2.2
Number injured per 1,000 employed.....	59.7

IDLE MINES.

Consolidated Coal Company, L. C.
Consolidated Coal Company, No. 8.
Cosgrove-Meehan Coal Company, No. 2.
Madison Coal Corporation, No. 12.
Old Ben Coal Corporation, No. 17.
Old Ben Coal Corporation, No. 20.
Peabody Coal Company, No. 26.
Skaggs Coal Company.

REOPENED MINES.

Henderson & Wallace mines reopened by Grissom Coal Company.
Davis Coal Company reopened by Equality Coal Company.

NEW MINES.

Carterville Peacock Coal Company of Carterville.

FATAL ACCIDENTS.

January 14, Charles McAnally, machineman, age 34 years, married, was killed in Old Ben Coal Corporation's No. 18 mine by being caught in the bits of a mining machine. He leaves a widow and four children.

February 10, Sam Oliver, machineman, age 31 years, married, died from injuries received January 26, by a fall of coal, in Cosgrove-Meehan Coal Company's No. 1 mine. He leaves a widow and two children.

March 26, Frank Ozella, Jr., triprider, age 25 years, single, was killed while trying to couple cars in motion in Old Ben Coal Corporation's No. 18 mine. He leaves his mother dependent.

July 9, Chester McCain, miner, age 35 years, married, was killed in the local mine of Roy Wilson Coal Company. He fell off a ladder while climbing up shaft. He leaves a widow and four children.

September 23, T. J. Goddard, miner, age 56 years, married, and W. C. Ward, miner, age 39 years, married, were killed by a windy shot in the mine of Ward and Bennett. Goddard leaves a widow and three children; Ward leaves a widow and one child.

November 17, Fred Walker, driver, age 47 years, married, died from injuries received two days earlier, when struck by a runaway car, in Peabody's No. 25 mine. He leaves a widow and two children.

Respectfully submitted,

A. W. PLUMLEE,

Inspector.

FATAL CASUALTIES, TWELFTH DISTRICT, 1932.

Date, 1932.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Jan. 14	Charles McAnally	34	Machineman	Johnston City	Old Ben Coal Corp.	18	1	---	1	4	5	Caught in mining machine.
Feb. 10	Sam Oliver	31	Machineman	Marion	Cosgrove-Meehan Coal Co.	1	1	---	1	2	3	Falling coal.
Mar. 26	Frank Ozella, Jr.	25	Trip rider	Johnston City	Old Ben Coal Corp.	18	---	1	---	---	1	Pit cars.
July 9	Chester McCain	35	Miner	Marion	Roy Wilson Coal Co.	---	1	---	1	4	5	Fell off ladder.
Sept. 23	T. J. Goddard	56	Miner	Marion	Ward & Bennett	---	1	---	1	3	4	Windy shot.
Sept. 23	W. C. Ward	39	Miner	Marion	Ward & Bennett	---	1	---	1	1	2	Windy shot.
Nov. 17	Fred Walker	47	Driver	Cartersville	Peabody Coal Co.	25	1	---	1	2	3	Pit cars.

NON-FATAL ACCIDENTS, TWELFTH DISTRICT.

Name of operator.	Number injured.	Number not returned.	Days lost by men returned.		Loss of 7 but less than 30 days.		Loss of 30 or more days.		Month in which accident occurred.	
			Total.	Average.	Number injured.	Days lost.		Number injured.	Month.	Number injured.
						Total.	Average.			
Carbon Fuel Co.	7		115	16	6	64	11	1	January	23
Cartersville Coal Mining Co.	2		164	84				2	February	27
City Lake Coal Co.	1		78	78				1	March	24
Consolidated Coal Co., No. 7	23	2	782	37	11	182	17	10	April	
Cosgrove-Meehan Coal Co., No. 1	18		329	18	15	205	14	3	May	
Cosgrove-Meehan Coal Co., No. 3	4		56	14	4	56	14		June	
Freeman Coal Co.	16		404	25	13	196	15	3	July	1
Ogmore Coal Co.	1		42	42				1	August	17
Old Ben Coal Corp., No. 18	90	2	2,694	31	52	889	17	36	September	26
Peabody Coal Co., No. 25	15	1	286	20	11	150	14	3	October	29
Puritan Coal Co.	1		12	12	1	12	12		November	18
St. Louis Coal & Iron Co.	4	1	114	38	2	22	11	1	December	25
Wallace Coal Co.	8	1	174	25	5	52	10	2		
	190	7	5,250	29	120	1,828	15	63		190
Shipping mines										
						3,422	54			

JOHNSON COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	6 mines producing less than 1,000 tons each		1,440				1,430

WILLIAMSON COUNTY

SHIPPING MINES.							
1	Old Ben Coal Corp., No. 18	Johnston City....	625,216	377,622	193,698	-----	1,538
2	Consolidated Coal Co., No. 7.....	Herrin.....	431,332	337,060	72,623	-----	6,298
3	Peabody Coal Co., No. 25.....	Carterville.....	200,864	170,942	29,233	-----	145
4	Cosgrove-Meehan Coal Co., No. 1.....	Johnston City....	160,464	100,292	50,932	-----	805
5	Freeman Coal Mining Co.....	Herrin.....	126,748	81,270	39,451	-----	421
6	Wallace Coal Co.....	Marion.....	97,758	78,351	19,407	-----	-----
7	Carbon Fuel Co.....	Marion.....	63,298	63,298	-----	-----	-----
8	St. Louis Coal & Iron Co., No. 2.....	Johnston City....	36,960	-----	36,960	-----	-----
9	City Lake Coal Co.....	Herrin.....	15,514	-----	15,514	-----	-----
10	Cosgrove-Meehan Coal Co., No. 3.....	Marion.....	14,344	9,302	3,738	-----	167
11	Puritan Coal Co.....	Johnston City....	10,779	10,779	-----	-----	-----
12	Carterville-Peacock Coal Co.....	Carterville.....	7,667	2,532	5,049	-----	-----
13	W. E. Grissom Coal Co.....	Marion.....	5,713	3,513	-----	-----	2,200
14	Spillertown Mining Co.....	Johnston City....	4,810	300	-----	-----	4,300
15	Pendley & Wilkinson Coal Co.....	Marion.....	1,900	400	-----	-----	1,200
16	Carterville Coal & Mining Co.....	Carbondale.....	1,862	1,317	545	-----	-----
17	Ogmore Coal Co.....	Cambria.....	1,799	320	-----	-----	1,310
18	Equality Coal Co.....	Herrin.....	700	238	-----	-----	412
Total.....			1,807,728	1,237,536	467,150	-----	18,796
LOCAL MINES.							
1	McDonald Coal Co.....	Marion.....	10,809	-----	-----	-----	10,809
2	New Black Diamond Coal Co.....	Carterville.....	9,940	-----	-----	-----	9,936
3	Consumers Coal & Materials Co.....	Marion.....	6,774	-----	-----	-----	6,774
4	J. H. Arnold & Co.....	Marion.....	6,190	-----	-----	-----	6,190
5	W. N. Hill.....	Stonefort.....	6,000	-----	-----	-----	6,000
6	George H. Hughes.....	Cambria.....	5,816	-----	-----	-----	5,816
7	Lawrence Corder.....	Marion.....	5,101	-----	-----	-----	5,101
8	Roy Wilson Coal Co.....	Marion.....	5,000	-----	-----	-----	5,000
9	Pendley & Wilkinson Coal Co.....	Marion.....	4,546	-----	-----	-----	4,546
10	Springhart Bros.....	Marion.....	4,500	-----	-----	-----	4,500
11	Druie Anderson.....	Marion.....	4,214	-----	-----	-----	4,214
12	H. L. Wyatt.....	Herrin.....	3,840	-----	-----	-----	3,840
13	Keller Coal Co.....	Marion.....	3,500	-----	-----	-----	3,500
14	Harris Bros.....	Marion.....	3,360	-----	-----	-----	3,360
15	Whiteside & Barger.....	Marion.....	3,000	-----	-----	-----	3,000
16	Charity Coal Co.....	Pittsburg.....	2,900	-----	-----	-----	2,700

TWELFTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
10	-----	16	72	78	500	-----	-----	-----	-----	-----	1,440	-----	-----	1

TWELFTH DISTRICT.

1,208	51,150	739	123	-----	-----	-----	4,575	11	27	625,216	-----	-----	-----	1
10,769	4,582	413	132	-----	-----	-----	74,375	12	19	431,332	-----	-----	-----	2
544	-----	305	101	-----	115,200	-----	-----	10	3	182,433	18,431	-----	24	3
8,435	-----	313	129	-----	-----	-----	28,375	10	12	160,464	-----	-----	10	4
290	5,316	328	111	-----	-----	-----	22,000	10	3	120,440	6,308	-----	20	5
41	-----	175	-----	-----	6,375	-----	-----	1	1	97,758	-----	-----	4	6
44	-----	162	-----	-----	3,750	-----	-----	1	1	63,298	-----	-----	4	7
-----	-----	118	38	-----	-----	-----	7,250	8	8	36,960	-----	-----	-----	8
-----	-----	54	106	1,003	-----	-----	-----	-----	-----	-----	15,514	-----	7	9
1,137	-----	303	12	-----	-----	-----	2,100	6	6	14,344	-----	-----	4	10
-----	-----	17	108	108	-----	-----	-----	-----	-----	-----	10,779	-----	2	11
86	-----	30	24	-----	600	-----	-----	-----	-----	-----	-----	7,667	-----	12
-----	-----	17	56	-----	2,100	-----	-----	-----	-----	-----	5,713	-----	4	13
210	-----	22	161	128	-----	-----	-----	1	-----	3,300	1,510	-----	4	14
300	-----	14	53	35	2,200	-----	-----	-----	-----	-----	1,900	-----	1	15
-----	-----	30	4	-----	-----	-----	-----	-----	-----	-----	-----	1,862	-----	16
119	50	15	81	95	-----	-----	-----	-----	-----	-----	1,799	-----	2	17
50	-----	14	24	30	-----	-----	-----	-----	-----	-----	700	-----	2	18
23,148	61,098	2,817	89	1,399	130,225	-----	138,675	70	80	1,735,545	62,654	9,529	88	-----
-----	-----	5	175	220	-----	-----	-----	-----	-----	-----	10,809	-----	-----	1
4	-----	18	200	663	-----	-----	-----	-----	-----	-----	9,940	-----	-----	2
-----	-----	5	240	200	-----	-----	-----	-----	-----	-----	-----	6,774	-----	3
-----	-----	9	200	224	-----	-----	-----	-----	-----	-----	6,190	-----	-----	4
-----	-----	5	240	400	-----	-----	-----	-----	-----	-----	6,000	-----	-----	5
-----	-----	9	211	91	-----	-----	-----	1	-----	5,816	-----	-----	-----	6
-----	-----	7	180	300	-----	-----	-----	-----	-----	-----	5,101	-----	-----	7
-----	-----	7	200	250	-----	-----	-----	-----	-----	-----	5,000	-----	-----	8
-----	-----	4	175	75	-----	-----	-----	-----	-----	-----	-----	4,546	-----	9
-----	-----	6	180	360	-----	-----	-----	-----	-----	-----	4,500	-----	-----	10
-----	-----	5	175	361	-----	-----	-----	-----	-----	-----	4,214	-----	-----	11
-----	-----	10	202	192	-----	-----	-----	-----	-----	-----	3,840	-----	-----	12
-----	-----	7	200	350	-----	-----	-----	-----	-----	-----	3,500	-----	-----	13
-----	-----	4	175	168	-----	-----	-----	-----	-----	-----	3,360	-----	-----	14
-----	-----	6	150	150	-----	-----	-----	-----	-----	-----	3,000	-----	-----	15
200	-----	28	30	80	-----	-----	-----	-----	-----	-----	2,900	-----	-----	16

WILLIAMSON COUNTY

Number.	Name of operator.	Postoffice address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
17	George McConkey	Marion	2,674	-----	-----	-----	2,674
18	C. M. Bridis	Marion	2,500	-----	-----	-----	2,200
19	V. D. Gosnell	Blairsville	2,366	-----	-----	-----	2,166
20	Young Bros.	Carterville	2,135	-----	-----	-----	2,135
21	Deep Vein Coal Co.	Marion	2,000	-----	-----	-----	2,000
22	Sims Coal Co.	Marion	2,000	-----	-----	-----	2,000
23	W. H. Johns	Cambria	1,760	-----	-----	-----	1,760
24	Clyde M. Lee	Carterville	1,512	-----	-----	-----	1,508
25	R. S. Ferrell	Carbondale	1,310	-----	-----	-----	700
26	L. R. Gabriel	Marion	1,200	-----	-----	-----	1,200
27	Chas. Bruce	Marion	1,200	-----	-----	-----	1,200
28	Snider & Sons	Herrin	1,200	-----	-----	-----	1,200
29	John Hundley	Carterville	1,150	-----	-----	-----	1,150
30	McCluskie Coal Co.	Marion	1,120	-----	-----	-----	1,120
31	R. O. Gresham & Leland Jackson	Marion	1,100	-----	-----	-----	1,100
32	Stroud Coal Co.	Marion	1,000	-----	-----	-----	1,000
33	39 mines producing less than 1,000 tons each	-----	14,193	-----	-----	-----	14,018
Total			125,910	-----	-----	-----	124,417
Total 89 mines			1,933,638	1,237,536	467,150	-----	143,213

TWELFTH DISTRICT—Concluded.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
300	14	6	110	156							2,674			17
200	5	14	300	150							2,500			18
	2	5	157	130							2,366			19
	10	2	100	13								2,135		20
	6	10	120	135							2,000			21
	4	6	120	100							2,000			22
	3	4	123	115							1,760			23
4	3	110	56								1,512			24
610	7	115	53								1,310			25
	3	200	100								1,200			26
	4	120	30								1,200			27
	5	100	85								1,200			28
	5	75	158								1,150			29
	5	60	8									1,120		30
	4	120	95								1,100			31
	4	120	50									1,000		32
175	129	61	940	100							12,593	1,600		33
1,493	351	104	6,458	100				1		5,816	102,919	17,175		
24,641	61,098	3,168	101	7,857	130,325		138,675	71	80	1,741,361	165,573	26,704	88	

TWELFTH DISTRICT, RECAPITULATION

Counties.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Williamson.....	18	1,807,728	1,237,536	467,150	-----	18,796	23,148	61,098

LOCAL MINES,

Johnson.....	6	1,440	-----	-----	-----	1,430	10	-----
Williamson.....	71	125,910	-----	-----	-----	124,417	1,493	-----
Total.....	77	127,350	-----	-----	-----	125,847	1,503	-----

ALL MINES,

Johnson.....	6	1,440	-----	-----	-----	1,430	10	-----
Williamson.....	89	1,933,638	1,237,536	467,150	-----	143,213	24,641	61,098
Total.....	95	1,935,078	1,237,536	467,150	-----	144,643	24,651	61,098

BY COUNTIES, SHIPPING MINES.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.			Machine.	Hand.	Stripping.	
2,817	89	1,399	130,225	-----	138,675	70	80	1,735,545	62,654	9,529	88

TWELFTH DISTRICT.

16	72	78	500	-----	-----	-----	-----	-----	1,440	-----	-----
351	104	6,458	100	-----	-----	1	-----	5,816	102,919	17,175	-----
367	101	6,536	600	-----	-----	1	-----	5,816	104,359	17,175	-----

TWELFTH DISTRICT.

16	72	78	500	-----	-----	-----	-----	-----	1,440	-----	-----
3,168	101	7,857	130,325	-----	138,675	71	80	1,741,361	165,573	26,704	88
3,184	99	7,935	130,825	-----	138,675	71	80	1,741,361	167,013	26,704	88

SUPPLEMENT.

Report of Division of Inspection.

Report of Division of Miners' Examination.

Report of Division of Mine Rescue.

Report of Division of Economic Investigation.

Report of Division of Fluorspar.

Report of State Mining Board.

List of State Inspectors.

List of Mine Managers.

List of Hoisting Engineers.

List of Mine Examiners.

REPORT OF THE DIVISION OF INSPECTION.

The days worked by the State Inspectors during the year are shown in the following summary:

Inspecting mines	1,825
Other classified duties.....	663
Miscellaneous service	983
	<hr/>
Total	3,471
Average days for each Inspector.....	289.25

SUMMARY OF SPECIFIC WORK REPORT FOR THE YEAR 1932.

District.	Inspecting mines.				Other classified duties—days worked.										Miscellaneous services.		Total days.
	Shipping.		Local.		Total.		Per cent of time inspecting mines.	Investigating accidents.	Testing scales.	Investigating complaints.	Office work.	Traveling.	Total days in other classified duties.	Per cent of time in other classified duties.	Days worked.	Per cent of time.	
	Num-ber inspec-tions.	Days worked.	Num-ber inspec-tions.	Days worked.	Num-ber inspec-tions.	Days worked.											
First.....	26	39	127	91	153	130	43.5	5	4	24	49	21	103	34.5	66	22.0	299
Second.....	11	17	201	205	212	222	72.1	7	1	18	2	1	29	9.4	57	18.5	308
Third.....	31	39	826	216	857	255	83.6	3	1	---	2	16	22	7.2	28	9.2	305
Fourth.....	31	33	87	68	118	121	46.0	15	4	12	17	1	49	18.6	93	35.4	263
Fifth.....	12	31	145	135	157	166	55.9	9	2	2	16	11	40	13.3	91	30.6	297
Sixth.....	29	67	145	57	171	124	47.9	8	1	9	1	3	22	8.5	113	43.6	259
Seventh.....	29	55	64	44	93	99	46.7	12	1	1	3	5	22	10.4	91	42.9	212
Eighth.....	47	50	46	46	93	96	31.1	2	32	13	61	---	108	35.1	104	33.8	308
Ninth.....	46	56	143	112	189	168	54.2	10	1	11	13	15	50	16.1	92	29.7	310
Tenth.....	50	141	156	88	176	141	47.0	16	2	10	8	18	54	18.0	105	35.0	300
Eleventh.....	20	40	147	151	169	128	42.4	15	2	37	27	19	98	32.4	76	25.2	302
Twelfth.....	22	26	147	151	169	177	57.5	14	---	4	30	18	66	21.4	65	21.1	308
Total.....	354	614	2,087	1,213	2,441	1,827	52.6	116	49	141	229	128	663	19.1	981	28.3	3,471

REPORT OF MINERS' EXAMINATION DIVISION.

During the year 1932 the Miners' Examining Board has held 144 meetings for the purpose of examining applicants as to their qualifications as practical miners. These meetings were held in 28 different cities, at which 1,120 applicants registered. Of this number, 834 passed the prescribed tests and were granted certificates of qualification. The 286 who failed were rejected for various reasons, such as failure to understand the English language, ignorance of the mining laws, unfamiliarity of safety devices, etc.

The following table is a summary of the work for the year:

DATE AND PLACE OF MEETING, NUMBER OF APPLICANTS, NUMBER OF CERTIFICATES ISSUED, NUMBER OF APPLICANTS REJECTED AND AMOUNT OF FEES COLLECTED.

Date, 1932	Place of meetings.	Number of applicants.	Number of certificates issued.	Number of candidates rejected.	Fees collected.
Jan. 11	Collinsville.....	3	2	1	\$ 4 00
12	New Athens.....	15	12	3	24 00
13	Harrisburg.....	4	3	1	6 00
14	Johnston City.....	16	12	4	24 00
15	Christopher.....	5	4	1	8 00
16	Centralia.....	3	2	1	4 00
18	Taylorville.....	1	1		2 00
19	Danville.....	5	4	1	8 00
20	Canton.....	15	12	3	24 00
21	Peoria.....	8	6	2	12 00
22	Springfield.....	22	18	4	36 00
23	Gillespie.....	7	5	2	10 00
Feb. 8	Belleville.....	2	1	1	2 00
9	Sparta.....	6	5	1	10 00
10	Harrisburg.....	2	2		4 00
11	Herrin.....	8	6	2	12 00
12	West Frankfort.....	5	3	2	6 00
13	Taylorville.....	3	2	1	4 00
15	Decatur.....	4	3	1	6 00
16	Danville.....	9	7	2	14 00
17	Farmington.....	13	10	3	20 00
18	Peoria.....	4	3	1	6 00
19	Springfield.....	10	8	2	16 00
20	Gillespie.....	8	6	2	12 00
Mar. 7	Belleville.....	2	1	1	2 00
8	Marissa.....	4	3	1	6 00
9	Harrisburg.....	4	3	1	6 00
10	Johnston City.....	3	1	2	2 00
11	Zeigler.....	2	2		4 00
12	Duquoin.....	4	3	1	6 00
14	Pana.....	6	5	1	10 00
15	Danville.....	3	3		6 00
16	Canton.....	4	3	1	6 00
17	Peoria.....	2	2		4 00
18	Springfield.....	5	4	1	8 00
19	Staunton.....	8	6	2	12 00
Apr. 18	Collinsville.....	2	1	1	2 00

MINERS EXAMINATIONS—Continued.

Date. 1932	Place of meetings.	Number of applicants.	Number of certificates issued.	Number of candidates rejected.	Fees collected.
Apr. 19	New Athens.....	1	1	-----	\$ 2 00
20	Harrisburg.....	5	4	1	8 00
21	Herrin.....	2	1	1	2 00
22	West Frankfort.....	2	2	-----	4 00
23	Taylorville.....	4	3	1	6 00
25	Danville.....	5	4	1	8 00
26	LaSalle.....	5	3	2	6 00
27	Farmington.....	5	4	1	8 00
28	Peoria.....	2	1	1	2 00
29	Springfield.....	3	2	1	4 00
30	Gillespie.....	13	10	3	20 00
May 16	Belleville.....	1	1	-----	2 00
17	Marissa.....	2	1	1	2 00
18	Harrisburg.....	-----	-----	-----	-----
19	Johnston City.....	1	-----	1	-----
20	Benton.....	2	1	1	2 00
21	Duquoin.....	1	-----	-----	2 00
23	Taylorville.....	3	2	1	4 00
24	Shelbyville.....	1	1	-----	2 00
25	Danville.....	4	2	2	4 00
26	Peoria.....	2	1	1	2 00
27	Springfield.....	1	1	-----	2 00
28	Staunton.....	7	5	2	10 00
June 13	Collinsville.....	2	1	1	2 00
14	Sparta.....	3	1	2	2 00
15	Harrisburg.....	2	1	1	2 00
16	West Frankfort.....	1	1	-----	2 00
17	Centralia.....	2	1	1	2 00
18	Taylorville.....	1	1	-----	2 00
20	Decatur.....	1	1	-----	2 00
21	Danville.....	2	1	1	2 00
22	Canton.....	1	1	-----	2 00
23	Peoria.....	1	1	-----	2 00
24	Springfield.....	3	2	1	4 00
25	Gillespie.....	2	1	1	2 00
July 11	Belleville.....	2	1	1	2 00
12	New Athens.....	1	1	-----	2 00
13	Harrisburg.....	1	1	-----	2 00
14	Herrin.....	2	1	1	2 00
15	West Frankfort.....	3	2	1	4 00
16	Duquoin.....	1	1	-----	2 00
18	Centralia.....	2	1	1	2 00
19	Pana.....	1	1	-----	2 00
20	Danville.....	2	1	1	2 00
21	Peoria.....	3	2	1	4 00
22	Springfield.....	1	1	-----	2 00
23	Staunton.....	4	3	1	6 00
Aug. 8	Collinsville.....	4	3	1	6 00
9	Marissa.....	2	1	1	2 00
10	Harrisburg.....	2	1	1	2 00
11	Herrin.....	2	1	1	2 00
12	West Frankfort.....	1	1	-----	2 00
13	Taylorville.....	1	1	-----	2 00
15	Danville.....	2	1	1	2 00
16	Galesburg.....	3	2	1	4 00
17	Canton.....	3	2	1	4 00
18	Peoria.....	6	4	2	8 00
19	Springfield.....	9	7	2	14 00
20	Gillespie.....	14	11	3	22 00
Sept. 12	Belleville.....	2	1	1	2 00
13	New Athens.....	3	2	1	4 00
14	Harrisburg.....	5	3	2	6 00
15	Johnston City.....	5	4	1	8 00
16	Benton.....	3	2	1	4 00
17	Duquoin.....	9	7	2	14 00
19	Pana.....	5	4	1	8 00
20	Danville.....	10	6	4	12 00
21	LaSalle.....	34	28	6	56 00
22	Peoria.....	10	8	2	16 00
23	Springfield.....	17	14	3	28 00
24	Staunton.....	11	9	2	18 00
Oct. 10	Collinsville.....	7	5	2	10 00
11	Sparta.....	6	5	1	10 00
12	Harrisburg.....	9	7	2	14 00
13	Herrin.....	15	12	3	24 00

MINERS EXAMINATIONS—Concluded.

Date. 1932	Place of meetings.	Number of applicants.	Number of certificates issued.	Number of candidates rejected.	Fees collected.
Oct. 14	West Frankfort.....	2	2		\$ 4 00
15	Taylorville.....	6	5	1	10 00
17	Decatur.....	1	1		2 00
18	Danville.....	18	15	3	30 00
19	Canton.....	14	11	3	22 00
20	Peoria.....	44	37	7	74 00
21	Springfield.....	21	17	4	34 00
22	Gillespie.....	4	2	2	4 00
Nov. 14	Pana.....	18	16	2	32 00
15	Danville.....	6	5	1	10 00
16	Peoria.....	63	57	6	114 00
17	Springfield.....	31	19	12	38 00
18	Roodhouse.....	22	15	7	30 00
19	Staunton.....	4	3	1	6 00
21	Duquoin.....	11	8	3	16 00
22	Harrisburg.....	12	8	4	16 00
23	Zeigler.....	15	11	4	22 00
28	Centralia.....	10	7	3	14 00
29	Belleville.....	18	13	5	26 00
30	Marissa.....	10	7	3	14 00
Dec. 5	Collinsville.....	2	1	1	2 00
6	New Athens.....	1	1		2 00
7	Harrisburg.....	10	7	3	14 00
8	Herrin.....	2	1	1	2 00
9	West Frankfort.....	1	1		2 00
10	Taylorville.....	20	9	11	18 00
12	Shelbyville.....	28	22	6	44 00
13	Danville.....	19	14	5	28 00
14	Decatur.....	46	32	14	64 00
15	Peoria.....	48	35	13	70 00
16	Springfield.....	64	42	22	84 00
17	Gillespie.....	6	4	2	8 00
	Total.....	1,120	834	286	\$1,668 00

SUMMARY.

Place of meetings.	Number of meetings held.	Number of applicants.	Number of certificates issued.	Number of candidates rejected.	Fees collected.
Belleville.....	6	27	18	9	\$ 36 00
Benton.....	2	5	3	2	6 00
Canton.....	5	37	29	8	58 00
Centralia.....	4	17	11	6	22 00
Christopher.....	1	5	4	1	8 00
Collinsville.....	6	20	13	7	26 00
Danville.....	12	85	63	22	126 00
Decatur.....	4	52	37	15	74 00
Duquoin.....	5	26	20	6	40 00
Farmington.....	2	18	14	4	28 00
Galesburg.....	1	3	2	1	4 00
Gillespie.....	7	54	39	15	78 00
Harrisburg.....	12	56	40	16	80 00
Herrin.....	6	31	22	9	44 00
Johnston City.....	4	25	17	8	34 00
LaSalle.....	2	39	31	8	62 00
Marissa.....	4	18	12	6	24 00
New Athens.....	5	21	17	4	34 00
Pana.....	4	30	26	4	52 00
Peoria.....	12	193	157	36	314 00
Roodhouse.....	1	22	15	7	30 00
Shelbyville.....	2	29	23	6	46 00
Sparta.....	3	15	11	4	22 00
Springfield.....	12	187	135	52	270 00
Staunton.....	5	34	26	8	52 00
Taylorville.....	8	39	24	15	48 00
West Frankfort.....	7	15	12	3	24 00
Zeigler.....	2	17	13	4	26 00
Total.....	144	1,120	834	286	\$1,668 00

REPORT OF MINE RESCUE AND FIRST-AID DIVISION.

The report of this division for 1932 is herewith presented. But one major disaster occurred in the mines this year, that at Moweaqua on the morning of December 24th. Consequently not many calls for help were received at the Stations.

BELLEVILLE STATION.

January 25, a call was received from a local hospital, where a woman was revived from a relapse in breathing.

ELDORADO STATION.

June 3, this Station received a call from Shawneetown for a pulmotor in a case of drowning.

JOHNSTON CITY STATION.

No calls for assistance came to this Station.

HERRIN STATION.

April 10, a call came to this Station for a pulmotor in the case of a woman who had been overcome with gas in her home. All efforts to restore her were unavailing.

SPRINGFIELD STATION.

The following calls were received at this Station:

March 23, the team was called to Panther Creek Coal Company's No. 1 mine, where a shot firer had been killed in a local explosion.

July 20, the team was called to the Brewerton Coal Company's mine No. 81. This mine had not been in operation for a few years, but on this morning three men entered by way of the escapement shaft, and not signalling the engineer to be hoisted out, the engineer became alarmed and called the Station for help. The men were rescued.

October 28, the team helped to seal a mine fire at Peabody Coal Company's No. 9 mine.

December 24, was called to Moweaqua and assisted in the work of recovering the bodies of 54 victims of that disaster.

BENTON STATION.

May 13, this Station received a call for the H-H inhalator in the case of a drowned boy. Artificial respiration with the inhalator was started and kept up for one and a half hours, but without success.

July 14, was called to a meat market, where a leak in the compressor of an ammonia machine had allowed the gas to escape in such quantities as to make it dangerous for the customers going in. It was necessary to use the Gibbs apparatus to open the back door and stop the leak.

August 3, was called to come to the Franklin County mine pond with the H-H inhalator, as a boy had been drowned. Artificial respiration was tried for one hour without success.

December 27, was called to Moweaqua to assist in the recovery of the bodies of the victims of that disaster.

LA SALLE STATION.

August 15, a call came from Van Orin, Illinois, where a man had been suffocated in a sand bin while working for a hard road construction company. The inhalator was used for two hours, but without success.

October 19, was called by mine officials at Cherry to put a mine fire under control, which was successful.

December 24, called to Moweaqua and assisted in the recovery work there.

DUQUOIN STATION.

On August 25, a call came from the Truax-Traer Coal Company's mine for the inhalator. A laborer had come in contact with a wire carrying 4,400 volts and apparently electrocuted. After working with him for a time, he was able to go home.

December 24, called to Moweaqua to assist in the recovery of the bodies in that explosion.

The table below shows the number trained at the Mine Rescue Stations during the year:

Station.	Mine rescue.	First aid.				Total.	Superintendent of station.
		Men.	Women.	Boys.	Girls.		
LaSalle.....	19	36				55	Alex Skelton.
Springfield.....	46	1,060	84			1,190	James Clusker.
Benton.....	24	132	49	77	73	355	Walter Anderson.
Eldorado.....	14	13				27	Frank Patterson.
Duquoin.....	3	10				13	James Robertson.
Herrin.....	40	102				142	Thomas Rogers.
Belleville.....	20	41	8	39		108	Ivan Grieve.
Johnston City.....		121				121	Bland D. Stutsman.
Total.....	166	1,515	141	116	73	2,011	

REPORT OF DIVISION OF ECONOMIC INVESTIGATION.

W. L. MORGAN, INVESTIGATOR.

The following tables will show the activities of the various industries under this division:

TABLE 1—LIMESTONE.

No.	Name of operator.	Location of plant.		Production in tons.	Number employed.	Days worked.	Explosives used.	
		Postoffice.	County.				Powder—kegs.	Dynamite—pounds.
1	Alpha Portland Cement Co.	LaSalle	LaSalle	309,265	39	212	---	71,700
2	Anna Stone Co.	Anna	Union	84,000	35	131	---	37,650
3	Bean & Masters	Galeonda	Pope	34,445	53	190	---	7,050
4	Belvidere Stone Co.	Belvidere	Boone	4,308	9	60	---	4,000
5	Big Creek Crushed Rock Co.	Marshall	Clark	22,000	10	121	---	8,800
6	Black-White Lime Co.	Quincy	Adams	10,853	6	270	---	6,450
7	Bulland, Oliver	Pontiac	Livingston	1,800	6	75	---	400
8	Casper Stelle Quarry & Construction Co.	Stelle	St. Clair	50,808	14	117	---	32,450
9	Casper Stelle Quarry & Construction Co.	Falling Springs	St. Clair	7,306	14	25	---	4,400
10	Chester Stone Co.	Cypress	Johnson	102,000	75	300	---	25,000
11	City of Chicago, House of Correction	Chicago	Cook	174,401	160	271	---	2,000
12	Columbia Quarry Co.	Columbia	St. Clair	6,654	300	287	---	48,300
13	Columbia Quarry Co.	Valmeyer	Monroe	103,712	24	196	---	42,850
14	Consumers Co., McCook	Chicago	Cook	390,579	60	142	---	53,000
15	Consumers Co., Hillside	Hillside	Cook	87,080	45	120	---	25,000
16	Dolese & Shepard	McCook	Cook	53,412	40	39	---	a
17	Eldred Crushed Stone Co.	Eldred	Greene	12,415	20	200	---	4,000
18	Elmhurst Chicago Stone Co.	Elmhurst	DuPage	93,352	23	66	---	26,600
19	Gray Quarries	Hamilton	Hancock	12,400	6	125	---	3,200
20	Great Lakes Dredge & Dock Co.	Chicago	Cook	2,000	6	7	---	a
21	Illinois State Penitentiary	Joliet	Will	16,590	128	142	---	a
22	Krueger Moritz	Burkesville	Monroe	166	5	21	---	50
23	Lehigh Portland Cement Co.	Oglesby	LaSalle	104,621	36	105	---	39,900
24	Lehigh Stone Co.	Lehigh	Kankakee	210,500	44	116	---	39,500
25	Lineola Crushed Stone Co.	Joliet	Will	92,000	15	62	---	7,350
26	Marblehead Lime Co.	Quincy	Adams	873	1	16	---	225
27	Marblehead Cement Mfg. Co.	Marblehead	Adams	1,067	1	12	---	520
28	Marquette Cement Mfg. Co.	Oglesby	LaSalle	1,284,152	115	300	---	39,525
29	Menke Stone & Lime Co.	Quincy	Adams	8,500	6	291	---	2,500
30	Mississippi Lime & Material Co.	Alton	Madison	125,000	20	230	---	75,000

31	Morris Limestone Products Co.	Morris	Kendall	16,000	4	120	4,000
32	Moulding Brownell Corp.	Thornton	Cook	425,000	45	125	193,200
33	Moulding Brownell Corp.	LaGrange	Cook	136,000	12	138	53,000
34	National Stone Co.	Joliet	Will	94,246	16	84	42,000
35	Pontiac	Pontiac	Livingston	4,000	40	600	600
36	Quincy Crane Service Co.	Quincy	Adams	19,779	10	300	4,650
37	Reber, E. F.	Byron	Ogle	600	3	45	a
38	Red Bud Quarry Co., Inc.	Red Bud	Randolph	600	6	50	a
39	Reliance Whiting Co., Inc.	Alton	Madison	5,191	6	88	1,600
40	Riverside Lime & Stone Co.	Lyons	Cook	37,138	30	88	11,850
41	Rockford Township	Rockford	Winnebago	10,000	15	113	8,000
42	Roever, E. F. & C. F.	Waterloo	Monroe	1,000	a	20	100
43	Southern Illinois Penitentiary	Menard	Randolph	64,990	8	a	16,000
44	St. Clair County Workhouse	Belleville	St. Clair	1,800	a	300	300
45	Stearns Lime & Stone Co.	Chicago	Cook	21,668	12	308	3,350
46	Stolz, Al.	Waterloo	Monroe	3,000	6	180	a
47	United States Gypsum Co.	Cordova	Rock Island	15,778	7	a	8,300
48	Utica Hydraulic Cement Co.	Utica	LaSalle	5,107	17	61	4,150
49	Wachtell & Armslutz	Hecker	St. Clair	1,630	7	60	300
50	Western Quarries Co.	Lemont	Cook	18,000	30	60	80
51	Wentersreen, N. D.	Carbondale	Jackson	270	4	120	50
Total				4,288,556	1,334	134	958,870

a Not reported.

TABLE 2—OIL AND GAS.

Number.	Name of operator.	Postoffice address of the operator.	County. in which well is located.	Number of wells.	Production.		Number employed.	Explosives— nitro-glycerine— quarts.
					Oil— barrels.	Gas 1,000 cubic feet.		
1	Adair Oil Co.	598 Madison Ave., New York, N. Y.	Lawrence.	3	1,900	---	1	---
2	Adams Connors Oil Co.	Allendale	Wabash.	24	17,890	500	8	---
3	American Oil Development Co.	1414 Oliver Bldg., Pittsburgh, Pa.	Crawford.	99	17,757	---	3	---
4	American Oil Development Co.	1414 Oliver Bldg., Pittsburgh, Pa.	Clark.	32	8,479	---	3	---
5	Adams, Clara	Lawrenceville	Wabash.	1	759	---	---	---
6	Arkansas Fuel Oil Co.	Ardis Bldg., Shreveport, La.	Crawford.	88	16,307	5,000	4	---
7	Barker, H. D.	Robinson	Crawford	22	2,500	2,000	3	---
8	Ball Bros., et. al.	Robinson	Cumberland	55	9,105	---	2	---
9	Ball Bros., et. al.	Robinson	Wabash.	64	4,889	---	1	---
10	Ball Bros., et. al.	Greenville	Wabash.	2	1,442	---	2	---
11	Bond County Gas Co.	Robinson	Bond	7	---	14,333	---	---
12	Bradford Oil Co.	Robinson	Crawford	13	4,745	---	1	---
13	Brennenman & MacDonell	312 S. Cole St., Lima, Ohio.	Crawford	98	16,914	---	10	---
14	Cisel No. 17	Lawrenceville	Wabash.	2	1,505	---	1	---
15	Cisel, J. H., Heirs, Oil Co.	Flora	Wabash.	3	1,539	---	1	---
16	Clark & Armstrong	Lawrenceville	Wabash.	2	3,657	---	---	---
17	Collison & Stillwell	Lawrenceville	Wabash.	4	6,275	---	1	---
18	Coon Creek Oil Co.	Allendale	Wabash.	4	3,244	---	---	---
19	Courter Lease	Lawrenceville	Wabash.	3	2,725	---	1	---
20	Craig & Lowrie	808 Columbia Bldg., Pittsburgh, Pa.	Wabash.	94	18,000	---	8	---
21	Craig & Lowrie	808 Columbia Bldg., Pittsburgh, Pa.	Lawrence.	9	3,035	---	1	---
22	Craig & Lowrie	Marietta, Ohio.	Wabash.	3	481	---	3	---
23	Davis, D. C.	St. Marys, W. Va.	Clark.	64	2,190	---	1	---
24	Dinsmoor Oil Co.	St. Marys, W. Va.	Crawford.	140	25,562	---	10	---
25	Dinsmoor Oil Co.	St. Marys, W. Va.	Clark.	73	10,200	---	3	---
26	Dinsmoor Oil Co.	St. Marys, W. Va.	Lawrence.	9	1,495	---	1	---
27	Dorsey, M. L.	Robinson	Crawford	11	600	---	1	---
28	Elting, P. E., Estate	Macomb	McDonough	27	6,251	---	1	---
29	Garvey, Henry, Jr.	St. Francisville	Lawrence.	2	1,095	---	---	---
30	Gee Oil Co.	312 Wright Bldg., Tulsa, Okla.	Lawrence.	16	3,010	---	4	---
31	Gorman & Weil	Sandoval	St. Clair.	6	3,650	---	1	---
32	Gumble, A. J., et. al.	Flareock	Lawrence.	2	100	---	1	---
33	Hamilton Production Co.	Lawrenceville	Lawrence.	62	31,369	---	7	---

34	Higgins Lease	Lawrenceville	Wabash	2	170	1
35	Hope Oil Co.	Alendale	Wabash	6	6,431	2
36	Kewanee Oil & Gas Co.	Box 499, Titusville, Pa.	Clark	44	6,883	2
37	Kewanee Oil & Gas Co.	Box 499, Titusville, Pa.	Crawford	223	48,403	21
38	Kewanee Oil & Gas Co.	Box 499, Titusville, Pa.	Lawrence	39	12,900	4
39	Koyser Lease	Lawrenceville	Wabash	3	1,233	
40	Kraft & Co.	Oblong	Cumberland	6	630	1
41	Leighty Oil Co.	312 Wright Bldg., Tulsa, Okla.	Lawrence	10	3,159	3
42	Liberty Oil & Gas Co.	Warren, Pa.	Crawford	32	5,554	2
43	Maeky, Miller & Timberlake	Centralla	Marion	16	5,643	2
44	Mason, Mary L., et. al.	150 Lake St., Elmira, N. Y.	Lawrence	17	12,575	2
45	Mayhugh et. al.	Alendale	Wabash	12	11,511	1
46	Max Oil Co.	Alendale	Wabash	8	4,670	1
47	Mt. Carmel Oil Co.	Mt. Carmel	Wabash	5	5,074	
48	New York Petroleum Co.	402 Avery St., Parkersburg, W. Va.	Crawford	10	2,438	1
49	Nolan & Lamberton	212 S. Olmip, Tulsa, Okla.	Crawford	9	4,979	1
50	Northern Oil Co.	1404 E. 9th St., Cleveland, Ohio	Clark	2,822	8,713	2
51	Northern Oil Co.	1404 E. 9th St., Cleveland, Ohio	Crawford	106	8,713	2
52	Oblong Oil Co.	Oblong	Crawford	1	115	1
53	Ohio Oil Co.	539 S. Main St., Findlay, Ohio	Clark	661	159,362	
54	Ohio Oil Co.	539 S. Main St., Findlay, Ohio	Clinton	109	23,635	
55	Ohio Oil Co.	539 S. Main St., Findlay, Ohio	Crawford	3,918	779,367	180
56	Ohio Oil Co.	539 S. Main St., Findlay, Ohio	Cumberland	548	93,182	
57	Ohio Oil Co.	539 S. Main St., Findlay, Ohio	Hancock	5	780	
58	Ohio Oil Co.	539 S. Main St., Findlay, Ohio	Lawrence	2,673	1,392,434	737
59	Ohio Oil Co.	539 S. Main St., Findlay, Ohio	Marion	28	18,208	
60	Ohio Oil Co.	539 S. Main St., Findlay, Ohio	McDonough	243	74,452	
61	Ohio Oil Co.	539 S. Main St., Findlay, Ohio	St. Clair	55	96,783	
62	Ohio Oil Co.	539 S. Main St., Findlay, Ohio	Wabash	10	5,205	
63	Pease, James & Co.	111 W. Monroe St., Chicago	Crawford	22	4,074	4
64	Pemberton Oil & Gas Co.	Olney	Lawrence	19	12,703	2
65	Petro Oil & Gas Co.	Security Bldg., St. Louis, Mo.	Marion	28	11,307	2
66	Pure Oil Co.	35 E. Wacker Drive, Chicago	Crawford	606	109,452	30
67	Selby Cislser Producing Co.	809 Kennedy Bldg., Tulsa, Okla.	Crawford	54	24,092	7
68	Snowden & McSweeney Co.	598 Madison Ave., New York, N. Y.	Lawrence	241	110,671	35
69	Snowden & McSweeney Co.	598 Madison Ave., New York, N. Y.	Wabash	7	14,071	2
70	Southern Oil Co.	1005 Farmers Bank Bldg., Pittsburgh, Pa.	Clark	18	4,755	1
71	Southwestern Oil & Gas Co.	Sundown	Marion	20	23,725	6
72	Steele & Steele	Robinson	Crawford	4	1,450	1
73	Stonr, Al.	Casey	Clark	12	1,097	1
74	Sugar Leaf Oil Co.	Dupo	St. Clair	5	4,582	1
75	Tide Water Oil Co.	Box 731, Tulsa, Okla.	Clark	353	104,833	4
76	Tide Water Oil Co.	Box 731, Tulsa, Okla.	Crawford	322	88,230	56
77	Tide Water Oil Co.	Box 731, Tulsa, Okla.	Lawrence	335	140,364	6
78	Treat & Hays Oil Co.	1006 Union Bank Bldg., Pittsburgh, Pa.	Lawrence	9	4,352	
79	Trenton Rock Oil & Gas Co.	Casey	Clark	39	11,354	1
80	Turner Oil Co.	Casey	Clark	20	1,640	3

TABLE 2—Concluded.

Number.	Name of operator.	Postoffice address of the operator.	County in which well is located.	Number of wells.	Production.		Number employed.	Explosives— nitro-glycerine— quarts.
					Oil— barrels.	Gas 1,000 cubic feet.		
81	Turner, W. C.	Casey.	Clark.	3	956	---	1	---
82	Wabash Oil Co.	Allendale.	Wabash.	3	1,735	---	1	---
83	Warren Caldwell Oil Co.	2d National Bank Bldg., Titusville, Pa.	Crawford.	48	4,936	10,000	2	---
84	Webster Drilling.	Centralia.	Marion.	3	780	---	---	---
85	Western U. Gas & Electric Co.	Murphysboro.	Jackson.	14	---	2,500	2	---
86	Whiteside, J. W. & Co.	Allendale.	Wabash.	2	4,800	---	1	---
87	Wireback, B. F.	1224 N. 9th St., Vincennes, Ind.	McDonough.	10	2,500	---	1	---
88	Wireback & Ballard.	1224 N. 9th St., Vincennes, Ind.	Wabash.	6	2,500	---	1	---
89	Wiser Oil Co.	Sistersville, W. Va.	Lawrence.	22	4,191	---	1	---
90	Wiser Oil Co.	Sistersville, W. Va.	Lawrence.	13	2,450	---	1	---
91	Wood Oil Co.	St. Carmel.	Crawford.	1	1,391	---	1	---
92	Young, J. S., Jr.	Lawrenceville.	Wabash.	31	25,583	---	4	---
Total				12,194	3,746,030	1,386,071	1,051	305

TABLE 3—SAND AND GRAVEL.

No.	Name of operator.	Location of plant.		Production in tons.	Number employed.	Days worked.	Explosives used.	
		Postoffice.	County.				Powder—kegs.	Dynamite—pounds.
1	Ales, Paul, Inc.	Lockport.	Will.	400,000	10	84	—	—
2	Anderson Sand & Gravel Co.	Rockford.	Winnebago.	5,713	5	18	—	—
3	Anderson, Theobald Co.	Lawrenceville.	Lawrence.	65,175	9	175	—	—
4	Arwood, Davis Sand Co.	South Beloit.	Winnebago.	60,013	3	68	—	—
5	Aurora Gravel Co.	Aurora.	Kane.	2,143	2	9	—	—
6	Bader Woods Sons.	Rock Island.	Rock Island.	13,142	6	64	—	—
7	Bloomington Township.	Bloomington.	Du Page.	5,800	11	100	—	—
8	Callow, J. H., Co.	Barrington.	McHenry.	15,580	4	60	—	—
9	Chinn Bros.	LaSalle.	LaSalle.	1,417	a	a	—	—
10	Churchill Gravel Co.	Pontiac.	Livingston.	20,000	7	120	—	—
11	Conkey, H. D. & Co.	Ogle.	Ogle.	14,301	10	a	—	—
12	Conkey, H. D. & Co.	North Aurora.	Kane.	122,984	18	a	—	—
13	Consumers Co.	South Beloit.	Winnebago.	287,416	10	99	—	—
14	Coogan Gravel Co., Inc.	Chillicothe.	Peoria.	23,115	10	a	—	—
15	Davis, S. S.	Rock Island.	Rock Island.	499	3	9	—	—
16	Decatur Hydraulic Sand & Gravel Co.	Decatur.	Macon.	8,295	3	60	—	—
17	Dipper Bros.	Decatur.	Macon.	2,723	2	230	—	—
18	East Peoria Sand & Gravel Co.	East Peoria.	Tazewell.	24,316	5	310	—	—
19	Eastwood Sand & Gravel Co.	Grayville.	White.	40,000	12	200	—	—
20	Gaines, E. C.	Elizabethtown.	Hardin.	1,050	2	a	—	—
21	Galesburg Sand & Gravel Co.	Buda.	Bureau.	19,452	3	180	—	—
22	Garden Plains Township.	Fulton.	Whiteside.	2,000	1	200	—	400
23	Gertz, Charles E. & Sons.	Spaulding.	Cook.	22,500	10	a	—	—
24	Glass, Edward B.	Belvidere.	Boone.	1,119	2	a	—	—
25	Gray, R. J.	Lawrenceville.	Lawrence.	12,000	2	183	—	—
26	Hamilton Washed Sand & Gravel Co.	Warsaw.	Hancock.	18,396	3	4	—	—
27	H. P. B. Sand & Gravel Co.	Rockford.	Winnebago.	2,740	5	155	—	—
28	International Silica Co.	Elco.	Alexander.	872	a	a	—	—
29	Froquois Sand & Gravel Co.	Clifton.	Kankakee.	750	14	15	—	—
30	Krahn, W. W.	Dundee.	Kane.	19,130	1	6	—	—
31	Lake Erie Mining Co.	Chillicothe.	Peoria.	65,000	5	73	—	—
32	Lake Sand Corporation.	Chicago.	Cook.	2,500	55	90	—	—
33	Larsen, J. P.	Wyanet.	Bureau.	169,618	9	100	—	—
34	Lincoln Sand & Gravel Co.	Lincoln.	Logan.	8,000	30	200	—	—
35	Lowe Bros.	Cary.	McHenry.	450,000	1	100	—	—
36	McGrath Sand & Gravel Co.	Chillicothe.	Peoria.	100,000	19	298	—	—
37	McGrath Sand & Gravel Co.	Forreston.	Ogle.	100,000	10	197	—	—

TABLE 3—Concluded.

No.	Name of operator.	Location of plant.		Production in tons.	Number employed.	Days worked.	Explosives used.	
		Postoffice.	County.				Powder—kegs.	Dynamite—pounds.
38	McGrath Sand & Gravel Co.	MacInaw	Tazewell	50,000	8	128		1,000
39	McGrath Sand & Gravel Co.	Pekin	Tazewell	250,000	12	258		
40	McKinney Bros.	Vandalia	Fayette	730	5	28		
41	Miller Investment Co.	Greenville	Bond	17,000	10	200		500
42	Mississippi Lime & Material Co.	Alton	Madison	63,000	5	230		
43	Morton Sand & Gravel Co.	Munger	DuPage	123,500	2	154		
44	Moulding Brownell Corporation	Carpentersville	Kane	215,000	15	176		
45	Moulding Brownell Corporation	Algonquin	McHenry	156,000	6	110		
46	Mt. Carmel Sand & Gravel Co.	Mt. Carmel	Wabash	74,250	12	300		
47	Nicholson, J. C.	Tonica	LaSalle	1,387	a	35		
48	Nicol, Gus, Sand Co., Inc.	Greenville	Bond	1,500	4	56		
49	North Shore Material Co.	Libertyville	Lake	66,683	2	56		
50	Novaculite Paving Co.	Tumms	Alexander	26,886	29	66	113	292
51	Olson, Henry	Zion	Lake	35,569	3	177		200
52	Peterson, William & Sons.	Greenville	Bond	1,000	3	25		
53	Pisk, Frank	Wadatoek	McHenry	3,573	2	118		
54	Purity Moulding Sand Co.	Dallas City	Henderson	4,400	5	110		
55	Quincy Sand Co.	Quincy	Adams	92,750	4	200		
56	Rock Island Sand & Gravel Co.	Rock Island	Rock Island	125,000	10	200		
57	Rockton Moulding Sand Co.	Rockton	Winnebago	2,860	1	28		
58	Standard Building Material Co.	East St. Louis	St. Clair	22,168	a	17		
59	Stever, S. R.	Peoria	Peoria	1,000	a	a		200
60	Spicer, Louise	Marseilles	LaSalle	8,650	4	200		
61	Springfield, Pekin Sand & Gravel Co.	Pekin	Tazewell	152,455	12	242		
62	Stocker Gravel & Construction Co.	Highland	Madison	18,233	2	300		800
63	Terry & Lewis Sand & Gravel Co.	Gladstone	Henderson	7,000	3	a		
64	Wabash Sand & Gravel Co.	Maurie	White	16,000	6	312		
65	Warren Sand Co.	Mulberry Grove	Bond	200	2	7		
66	Winter Gravel Co.	North Aurora	Kane	2,250	2	100		
67	Wisconsin Lime & Cement Co.	Crystal Lake	McHenry	417,295	23	129		
68	Youtree-Roberts Sand Co.	Chester	Randolph	69,000	6	a		
	Total			3,964,308	500	130	113	3,392

a Not reported.

TABLE 4—SHALE AND CLAY.

No.	Name of operator.	Location of plant.		Production in tons.	Number employed.	Days worked.	Explosives used.	
		Postoffice.	County.				Pow-der—kegs.	Dyna-mite—pounds.
1	Albion Brick Co.	Albion.	Edwards.	16,045	12	94	---	6,000
2	Albion Brick Co.	Albion.	Edwards.	6,160	4	53	---	2,000
3	Alpha Portland Cement Co.	LaSalle.	LaSalle.	14,982	a	a	---	1,502
4	Alton Brick Co.	Alton.	Madison.	7,940	12	78	---	100
5	Alton Brick Co.	Edwardsville.	Madison.	14,815	3	115	134	---
6	Bach Brick Co.	Chicago.	Cook.	24,175	6	51	---	4,000
7	Baird Bros.	Cochester.	McDonough.	5,370	3	100	---	---
8	Belleville Brick Co.	Belleville.	St. Clair.	3,900	20	36	---	20
9	Calloun Leasing Co.	Nebo.	Calloun.	48	4	150	---	350
10	Campbell Hill Brick Co.	Campbell Hill.	Jackson.	2,667	9	65	---	---
11	Campus Brick & Tile Works.	Campus.	Livingston.	3,305	1	12	---	200
12	Canton Brick Co.	Canton.	Fulton.	1,313	20	33	---	---
13	Carey Brick Co.	Chicago.	Cook.	5,444	a	9	---	---
14	Carlinville Tile Co.	Carlinville.	Macoupin.	300	2	30	---	---
15	Chicago Retort & Fire Brick Co.	Ottawa.	LaSalle.	7,385	2	63	66	130
16	Decatur Brick Mfg. Co.	Springfield.	McDonough.	2,400	40	50	---	100
17	Dickey, W. S., Mfg. Co.	Coledexter.	McDonough.	23,487	25	132	---	13,000
18	Eastern Illinois Clay Co.	St. Anne.	Kankakee.	8,000	3	40	---	---
19	Ford Brick & Tile Co.	Harrisburg.	Saline.	2,500	18	62	---	400
20	Frederick Brick & Tile Co.	Frederick.	Schuyler.	435	2	29	---	50
21	Hill Brick Co.	O'Fallon.	St. Clair.	21,953	2	134	---	2,000
22	Hull & Gustafson.	Cambridge.	Henry.	377	10	15	---	---
23	Hydraulic Press Brick Co.	Sharland.	Marshall.	5,205	15	40	---	4,200
24	Hydraulic Press Brick Co.	Aledo.	Mercer.	1,200	3	75	---	---
25	Illinois Clay Products Co.	Morris.	Grundy.	20,135	7	165	---	3,500
26	Larsen, J. P.	Wyanet.	Bureau.	400	1	100	---	---
27	Lowell Stoneware Co.	Tonca.	LaSalle.	200	2	90	---	50
28	Matthiessen & Hegeler Zinc Co.	LaSalle.	LaSalle.	502	3	17	6	---
29	McLaughlin Mining Co.	Alsey.	Scott.	1,500	a	25	100	50
30	Midwest Brick Co.	Ottawa.	LaSalle.	3,420	5	52	---	---
31	Morton Brick & Tile Works.	Morton.	Tazewell.	50	4	75	---	---
32	Mt. Olive Brick & Tile Works.	Mt. Olive.	Macoupin.	411	1	60	---	---
33	Munson Bros. & Co.	Capron.	Boone.	800	2	12	---	---
34	National Fireproofing Co.	Ottawa.	LaSalle.	282	3	20	---	---
35	National Fireproofing Co.	Ottawa.	LaSalle.	3,941	3	75	---	---
36	Otherschuld Brick & Tile Co.	Princeton.	Bureau.	650	2	75	---	---
37	Peoria Brick & Tile Co.	Peoria.	Peoria.	6,000	3	36	---	1,200

TABLE 4—Concluded.

No.	Name of operator.	Location of plant.		Production in tons.	Number employed.	Days worked.	Explosives used.	
		Postoffice.	County.				Powder— kegs.	Dynamite— pounds.
38	Poston-Springfield Brick Co.	Springfield.	Sangamon	38,600	5	200	---	3,000
39	Purinton Paving Brick Co.	Reading.	Livingston	4,944	7	18	---	1,420
40	Purinton Paving Brick Co.	Galesburg.	Knox	44,008	a	62	194	580
41	Richards Brick Co.	Edwardsville.	Madison	3,190	4	90	---	150
42	Shale Products Co.	Petersburg.	Menard	2,657	1	30	---	100
43	Shaw, W. S.	Carrollton.	Greene	160	2	29	---	---
44	Springfield Clay Products Co.	Springfield.	Sangamon	1,600	a	16	---	100
45	St. Elmo Brick & Tile Co.	St. Elmo.	Fayette	5,006	4	67	---	2,000
46	St. Anne Brick & Tile Co.	St. Anne.	Kankakee	14,900	4	140	---	---
47	Streator Brick Co.	Streator.	LaSalle	19,197	2	123	---	---
48	Streator Clay Mfg. Co.	Streator.	Livingston	17,608	9	168	---	4,750
49	Streator Drain Tile Co.	Streator.	LaSalle	11,890	2	208	---	125
50	Turthill Building Material Co.	Blue Island.	Cook	1,582	4	10	---	---
51	Western Brick Co.	Danville.	Vermilion	200,000	20	100	---	3,500
52	White Hall Pottery Works	White Hall.	Greene	685	5	120	---	---
53	White Hall Sewerpipe & Stoneware Co.	White Hall.	Greene	9,810	9	105	---	1,000
Total.....				590,624	331	71	500	55,577

a Not reported.

TABLE 5—SILICA.

No.	Name of operator.	Location of plant.		Production in tons.	Number employed.	Days worked.	Explosives used.	
		Postoffice.	County.				Pow- der— kegs.	Dyna- mite— pounds.
1	International Silica Co.	Elco.	Alexander.	4,936	3	235	---	6,000
2	Miller & Allen.	Elco.	Alexander.	900	2	90	---	1,200
3	Ottawa Silica Co.	Ottawa.	LaSalle.	359,406	36	211	---	78,000
4	Standard Silica Co., Plant No. 1.	Ottawa.	LaSalle.	67,668	9	115	---	11,300
5	Standard Silica Co., Plant No. 2.	Ottawa.	LaSalle.	13,262	9	39	---	5,300
6	Wedron Silica Co.	Wedron.	LaSalle.	100,000	9	100	---	10,000
7	Western Fire Brick Co.	Elco.	Alexander.	225	4	5	---	125
Total		---	---	546,397	72	114	---	111,925

TABLE 6—LIMESTONE.

No.	County.	Number of—		Production in tons.	Number em- ployed.	Average days worked.	Explosives used.	
		Oper- ators.	Plants.				Powder— kegs.	Dynamite —pounds.
1	Adams.....	4	5	41,072	24	180	30	14,345
2	Boone.....	1	1	4,308	9	60	-----	4,000
3	Clark.....	1	1	22,000	10	121	-----	8,800
4	Cook.....	8	10	1,178,131	440	128	80	341,400
5	DuPage.....	1	1	93,352	23	66	-----	26,600
6	Greene.....	1	1	12,415	20	200	-----	4,000
7	Hancock.....	1	1	12,400	6	125	-----	3,200
8	Jackson.....	1	1	270	4	120	40	50
9	Johnson.....	1	1	102,000	75	300	-----	25,000
10	Kankakee.....	1	1	210,500	44	116	-----	39,500
11	Kendall.....	1	1	16,000	4	120	-----	4,000
12	LaSalle.....	4	4	1,703,145	207	169	-----	155,275
13	Livingston.....	2	2	5,500	46	67	-----	1,000
14	Madison.....	2	2	130,191	26	159	-----	76,600
15	Monroe.....	4	4	107,878	43	104	-----	43,000
16	Ogle.....	1	1	600	3	45	-----	-----
17	Pope.....	1	1	34,445	53	190	-----	7,050
18	Randolph.....	2	2	65,590	6	50	-----	16,000
19	Rock Island.....	1	1	15,778	7	*	-----	8,300
20	St. Clair.....	4	5	236,145	75	157	-----	85,750
21	Union.....	1	1	84,000	35	131	-----	37,650
22	Will.....	3	3	202,836	159	96	-----	49,350
23	Winnebago.....	1	1	10,000	15	113	-----	8,000
Total.....		45	51	4,288,556	1,334	134	150	958,870

* Not reported.

TABLE 7—OIL AND GAS.

No.	County.	Number of—		Production.		Number em- ployed.
		Oper- ators.	Wells.	Oil— barrels.	Gas— 1,000 cu. ft.	
1	Bond.....	1	7	-----	14,333	2
2	Clark.....	12	1,340	319,836	47,799	*24
3	Clinton.....	1	109	23,695	-----	*
4	Crawford.....	23	5,988	1,194,803	412,445	*177
5	Cumberland.....	3	618	98,701	249,392	*3
6	Hancock.....	1	5	780	-----	*
7	Jackson.....	1	14	-----	2,500	2
8	Lawrence.....	16	3,528	1,735,943	659,102	*68
9	McDonough.....	3	280	83,203	-----	*2
10	Marion.....	5	95	59,663	-----	*10
11	St. Clair.....	3	66	105,015	-----	*2
12	Wabash.....	23	144	124,391	500	*24
Total.....		69	12,194	3,746,030	1,386,071	†1,051

* The Ohio Oil Co. did not distribute its employees by counties.

† Including 737 not distributed by counties.

TABLE 8—SAND AND GRAVEL.

No.	County.	Number of—		Production in tons.	Number em- ployed.	Average days worked.	Explosives used.	
		Oper- ators.	Plants.				Powder— kgs.	Dynamite —pounds.
1	Adams.....	1	1	23,750	4	200		
2	Alexander.....	2	2	29,626	29	66	113	292
3	Bond.....	4	4	19,700	19	67		500
4	Boone.....	1	1	1,119	2			
5	Bureau.....	2	2	21,952	12	140		
6	Cook.....	2	2	87,500	65	90		
7	DuPage.....	2	2	129,300	13	127		
8	Fayette.....	1	1	730	5	28		
9	Hancock.....	1	1	200	3	4		
10	Hardin.....	1	1	1,050	2	*		
11	Henderson.....	2	2	11,400	8	110		
12	Kane.....	5	5	343,127	38	94		
13	Kankakee.....	1	1	872	14	15		
14	Lake.....	2	2	102,252	5	116		200
15	LaSalle.....	3	3	11,454	4	200		200
16	Lawrence.....	2	2	77,175	11	179		
17	Livingston.....	1	1	20,000	7	120		
18	Logan.....	1	1	169,618	30	200		
19	Macon.....	2	2	11,018	5	145		
20	Madison.....	2	2	81,253	7	265		800
21	McHenry.....	5	5	600,448	36	103		
22	Ogle.....	2	2	114,301	20	197		
23	Peoria.....	4	4	493,245	34	170		
24	Randolph.....	1	1	69,000	6	*		
25	Rock Island.....	3	3	138,641	19	91		
26	St. Clair.....	1	1	22,168	*	17		
27	Tazewell.....	3	4	476,761	37	234		1,000
28	Wabash.....	1	1	74,250	12	300		
29	White.....	2	2	56,000	18	256		
30	Whiteside.....	1	1	2,000	1	200		400
31	Will.....	1	1	400,000	10	84		
32	Winnebago.....	5	5	374,398	24	74		
Total.....		63	68	3,964,308	500	130	113	3,392

* Not reported.

TABLE 9—SHALE AND CLAY.

No.	County.	Number of—		Production in tons.	Number em- ployed.	Average days worked.	Explosives used.	
		Oper- ators.	Plants.				Powder— kegs.	Dynamite —pounds.
1	Boone.....	1	1	800	1	60	-----	-----
2	Bureau.....	2	2	1,000	3	87	-----	-----
3	Calhoun.....	1	1	48	4	150	-----	20
4	Cook.....	3	3	31,201	10	23	-----	-----
5	Edwards.....	1	2	22,205	16	73	-----	8,000
6	Fayette.....	1	1	5,006	4	67	-----	2,000
7	Fulton.....	1	1	1,313	20	33	-----	200
8	Greene.....	2	3	10,655	16	85	-----	1,000
9	Grundy.....	1	1	20,135	7	165	-----	3,500
10	Henry.....	1	1	377	10	15	-----	-----
11	Jackson.....	1	1	2,667	9	65	-----	350
12	Kankakee.....	2	2	22,900	7	90	-----	-----
13	Knox.....	1	1	44,008	*	194	194	580
14	LaSalle.....	8	9	61,799	21	74	72	345
15	Livingston.....	3	3	22,947	17	66	-----	6,170
16	McDonough.....	2	2	28,857	28	116	-----	17,000
17	Macoupin.....	2	2	711	6	52	-----	-----
18	Madison.....	2	3	25,943	19	94	134	1,752
19	Marshall.....	1	1	5,205	15	40	-----	4,200
20	Menard.....	1	1	2,637	1	30	-----	100
21	Mercer.....	1	1	1,200	3	75	-----	-----
22	Peoria.....	1	1	6,000	3	36	-----	1,200
23	St. Clair.....	2	2	25,853	22	85	-----	2,000
24	Saline.....	1	1	2,500	18	62	-----	400
25	Sangamon.....	3	3	42,652	45	89	-----	3,200
26	Schuyler.....	1	1	435	2	29	-----	50
27	Scott.....	1	1	1,500	*	25	100	-----
28	Tazewell.....	1	1	50	4	10	-----	-----
29	Vermilion.....	1	1	200,000	20	100	-----	3,510
Total.....		47	53	590,624	331	71	500	55,577

* Not reported.

TABLE 10—SILICA.

No.	County.	Number of—		Production in tons.	Number em- ployed.	Average days worked.	Explosives used.	
		Oper- ators.	Plants.				Powder— kegs.	Dynamite —pounds.
1	Alexander.....	3	3	6,061	9	110	-----	7,325
2	LaSalle.....	3	4	540,336	63	116	-----	104,600
Total.....		6	7	546,397	72	114	-----	111,925

TABLE 11—SUMMARY OF TABLES 6, 7, 8, 9 AND 10.

Industry.	Number of—			Production.	Number employed.	Average days worked.	Explosives used.	
	Coun- ties.	Oper- ators.	Plants.				Powder— kegs.	Dynamite —pounds.
Limestone.....	23	45	51	*4,288,556	1,334	134	150	958,870
Oil and gas.....	12	69	12,194	†3,746,030 ‡1,386,071	1,051	-----	-----	-----
Sand and gravel..	32	63	68	*3,964,308	500	130	113	3,392
Shale and clay....	29	47	53	*590,624	331	71	500	55,577
Silica.....	2	6	7	*546,397	72	114	-----	111,925
Total.....	60	230	12,373	*9,389,885 †3,746,030 ‡1,386,071	3,488	112	763	1,129,764

* Tons. † Barrels of oil. ‡ M. cu. ft. of gas.

TABLE 12—NUMBER OF OPERATORS, PLANTS, PRODUCTION, EMPLOYEES,

Number.	County.	Limestone.					Oil and gas.				
		Operators.	Plants.	Production— tons.	Employees.	Average days worked.	Operators.	Wells.	Production.		Employees.
									Oil— barrels.	Gas— 1,000 cubic feet.	
1	Adams.....	4	5	41,072	24	180					
2	Alexander.....										
3	Bond.....						1	7		14,333	2
4	Boone.....	1	1	4,308	9	60					
5	Bureau.....										
6	Calhoun.....										
7	Clark.....	1	1	22,000	10	121	12	1,340	319,836	47,799	24
8	Clinton.....						1	109	23,695		a
9	Cook.....	8	10	1,178,131	440	128					
10	Crawford.....						23	5,988	1,194,803	412,445	177
11	Cumberland.....						3	618	98,701	249,392	3
12	DuPage.....	1	1	93,352	23	66					
13	Edwards.....										
14	Fayette.....										
15	Fulton.....										
16	Greene.....	1	1	12,415	20	200					
17	Grundy.....										
18	Hancock.....	1	1	12,400	6	125	1	5	780		a
19	Hardin.....										
20	Henderson.....										
21	Henry.....										
22	Jackson.....	1	1	270	4	120	1	14		2,500	2
23	Johnson.....	1	1	102,000	75	300					
24	Kane.....										
25	Kankakee.....	1	1	210,500	44	116					
26	Kendall.....	1	1	16,000	4	120					
27	Knox.....										
28	Lake.....										
29	LaSalle.....	4	4	1,703,145	207	169					
30	Lawrence.....						16	3,528	1,735,943	659,102	68
31	Livingston.....	2	2	5,500	46	67					
32	Logan.....										
33	McDonough.....						3	280	83,203		2
34	McHenry.....										
35	Macon.....										
36	Macoupin.....										
37	Madison.....	2	2	130,191	26	159					
38	Marion.....						5	95	59,663		10
39	Marshall.....										
40	Menard.....										
41	Mercer.....										
42	Monroe.....	4	4	107,878	43	104					
43	Ogle.....	1	1	600	3	45					
44	Peoria.....										
45	Pope.....	1	1	34,445	53	190					
46	Randolph.....	2	2	65,590	6	50					
47	Rock Island.....	1	1	15,778	7	a					
48	Saline.....										
49	Sangamon.....										
50	Schuyler.....										
51	Scott.....										
52	St. Clair.....	4	5	236,145	75	157	3	66	105,015		2
53	Tazewell.....										
54	Union.....	1	1	84,000	35	131					
55	Vermilion.....										
56	Wabash.....						23	144	124,391	500	24
57	White.....										
58	Whiteside.....										
59	Will.....	3	3	202,836	159	96					
60	Winnebago.....	1	1	10,000	15	113					
	Total.....	45	51	4,288,556	1,334	134	69	12,194	3,746,030	1,386,071	b1,051

a Not reported.

b Including 737 not distributed by counties.

AVERAGE DAYS WORKED IN THE DIFFERENT INDUSTRIES—BY COUNTIES.

Sand and gravel.					Shale and clay.					Silica.					Number.
Operators.	Plants.	Production in tons.	Employees.	Average days worked.	Operators.	Plants.	Production in tons.	Employees.	Average days worked.	Operators.	Plants.	Production in tons.	Employees.	Average days worked.	
1	1	23,750	4	200											1
2	2	29,626	29	66						3	3	6,061	9	110	2
4	4	19,700	19	67											3
1	1	1,119	2	a	1	1	800	1	60						4
2	2	21,952	12	140	2	2	1,000	3	87						5
					1	1	48	4	150						6
															7
															8
2	2	87,500	65	90	3	3	31,201	10	23						9
															10
2	2	129,300	13	127											11
					1	2	22,205	16	73						12
1	1	730	5	28	1	1	5,006	4	67						13
					1	1	1,313	20	33						14
					2	3	10,655	16	85						15
					1	1	20,135	7	165						16
1	1	200	3	4											17
1	1	1,050	2	a											18
2	2	11,400	8	110											19
					1	1	377	10	15						20
					1	1	2,667	9	65						21
															22
5	5	343,127	38	94											23
1	1	872	14	15	2	2	22,900	7	90						24
															25
					1	1	44,008	a	194						26
2	2	102,252	5	116											27
3	3	11,454	4	200	8	9	61,799	21	74	3	4	540,336	63	116	28
2	2	77,175	11	179											29
1	1	20,000	7	120	3	3	22,947	17	66						30
1	1	169,618	30	200	2	2	28,857	28	116						31
															32
5	5	600,448	36	103											33
2	2	11,018	5	145	2	2		6	52						34
					2	3	711	19	94						35
2	2	81,253	7	265											36
					1	1	5,205	15	40						37
					1	1	2,657	1	30						38
					1	1	1,200	3	75						39
															40
															41
															42
2	2	114,301	20	197											43
4	4	493,245	34	170	1	1	6,000	3	36						44
															45
1	1	69,000	6	a											46
3	3	138,641	19	91											47
					1	1	2,500	18	62						48
					3	3	42,652	45	89						49
					1	1	435	2	29						50
					1	1	1,500	a	25						51
1	1	22,168	a	17	2	2	25,853	22	85						52
3	4	476,761	37	234	1	1	50	4	10						53
															54
					1	1	200,000	20	100						55
1	1	74,250	12	300											56
2	2	56,000	18	256											57
1	1	2,000	1	200											58
1	1	400,000	10	84											59
5	5	374,398	24	74											60
63	68	3,964,308	500	130	47	53	590,624	331	71	6	7	546,397	72	114	

REPORT OF METAL MINES.

EDWARD S. SMITH, INSPECTOR.

The following tables show the activities of the metal mines during the year 1932:

TABLE 1—NAME OF OPERATOR, LOCATION OF MINE, DEPTH OF SHAFT, USE OF PRODUCT, METHOD OF HOISTING AND MINING.

Name of operator.	Location of mine.		Depth of mine in feet.	Product used for.	Hoisting.	Mining.
	Postoffice.	County.				
Benson Flourspar Co.....	Cave-in-Rock..	Hardin...	Drift	Steelflux and foundry	a	Machine.
Rosiclare Lead and Flourspar Co.....	Rosiclare.....	Hardin...	300	Manufacturing steel..	Electric..	Hand and machine.
J. C. Conrad.....	Karbers Ridge..	Pope.....	50	Manufacturing steel..	Gasoline..	Hand and machine.
Crystal Flourspar Co.....	Elizabethtown..	Hardin...	350	Manufacturing steel..	Air.....	Hand.
U. G. Gullett.....	Elizabethtown..	Hardin...	40	Flux.....	Steam....	Hand and machine.

TABLE 2—PRODUCTION AND DISPOSITION OF PRODUCT, EXPLOSIVES USED, EMPLOYEES, DAYS WORKED AND WAGES PAID.

Name of operator.	Production in tons.		Tons shipped to—			Pounds of dynamite used.	Employees.		Days worked.	Wages per day.	Number of injured.
	Flourspar.	Lead.	Points in Illinois.	Other states.	Foreign countries.		Underground.	On surface.			
Benson Flourspar Co.....	3,747	—	202	2,872	—	1,200	8	48	49	\$2.75	3
Rosiclare Lead & Flourspar Co.	2,385	—	332	2,028	25	3,750	10	30	20	4.00	—
J. C. Conrad.....	541	—	541	—	—	490	5	3	160	a	—
Crystal Flourspar Co.....	200	—	—	200	—	125	4	8	30	1.75	—
U. G. Gullett.....	50	—	50	—	—	50	4	4	60	3.00	—
Total.....	6,923	7	1,125	5,100	25	5,615	31	93	64	\$2.90	3

REPORT OF STATE MINING BOARD.

During the year 1932 the State Mining Board held examinations in February, April, July and November for the purpose of examining applicants as to their qualifications for mine manager, hoisting engineer and mine examiner. An examination was held in September, also, for State Inspector of Mines. Those passing these tests will be found in the following lists:

STATE INSPECTOR OF MINES.

Name.	Postoffice.	County.	Age.	Birthplace.	Date of certificate.	Number of certificate.
Back, Thos. P.	Canton	Fulton	65	England	Sept. 13	166
Bagwill, George E.	Harrisburg	Saline	62	Illinois	Sept. 13	155
Bennett, Alexander	Panama	Montgomery	43	Scotland	Sept. 13	177
Bradbury, Arthur	Belleville	St. Clair	34	England	Sept. 13	175
Drysdale, George J.	Belleville	St. Clair	46	Alabama	Sept. 13	157
English, Thomas	Springfield	Sangamon	68	Scotland	Sept. 13	162
Grieve, Ivan J.	Belleville	St. Clair	36	Utah	Sept. 13	156
Haywood, Wm. T.	Witt	Montgomery	57	England	Sept. 13	174
Helm, Guido	Mt. Olive	Macoupin	53	Germany	Sept. 13	178
Hindson, H. C.	Peoria	Peoria	56	Illinois	Sept. 13	159
Jones, Alex.	Oglesby	LaSalle	56	Scotland	Sept. 13	164
Kingston, Raymond	Shelbyville	Shelby	42	Illinois	Sept. 13	160
Lippert, Fred	Belleville	St. Clair	51	Illinois	Sept. 13	165
Monteith, C. E.	Cutler	Perry	46	Illinois	Sept. 13	172
Morgan, W. L.	Greenville	Bond	58	Wales	Sept. 13	171
O'Niel, Patrick J.	Gillespie	Macoupin	30	Scotland	Sept. 13	158
Plumlee, A. W.	Cambria	Williamson	52	Illinois	Sept. 13	163
Richards, Jas. R.	Belleville	St. Clair	53	Illinois	Sept. 13	170
Seletto, James.	Witt	Montgomery	48	New York	Sept. 13	173
Smith, Sydney	Staunton	Macoupin	38	England	Sept. 13	169
Stank, Frank	Taylor Springs	Montgomery	38	Illinois	Sept. 13	176
Stein, Nicholas	Duquoin	Perry	46	Illinois	Sept. 13	167
Urbain, Gus E., Sr.	Springfield	Sangamon	49	Indiana	Sept. 13	168
White, John	Collinsville	Madison	60	Pennsylvania	Sept. 13	161

MINE MANAGERS—FIRST CLASS.

Name.	Postoffice.	County.	Age.	Birthplace.	Date of certificate.	Number of certificate.
Andricks, Fred	O'Fallon	St. Clair	35	Illinois	May 2	1,560
Barber, H. E.	Marion	Williamson	47	Pennsylvania	Aug. 2	1,587
Bell, Chas.	Zeigler	Franklin	45	England	May 2	1,551
Berutti, William P.	Benld	Macoupin	30	Italy	May 2	1,547
Blakely, William	Canton	Fulton	39	Illinois	Aug. 2	1,583
Bouery, Andrew	Dowell	Jackson	41	Illinois	Feb. 8	1,541
Brown, Byron	Herrin	Williamson	37	Kentucky	May 2	1,542
Cawthorne, Leonard	Duquoin	Perry	51	England	Nov. 21	1,596

MINE MANAGERS—FIRST CLASS—Concluded.

Name.	Postoffice.	County.	Age.	Birthplace.	Date of certificate.	Number of certificate.
Chura, Adam	Benld	Macoupin	26	Poland	May 2	1,543
Chynoweth, Jas. E.	Taylorville	Christian	55	No. Wales	Feb. 8	1,531
Craig, Homer	Elkville	Jackson	25	Illinois	Feb. 8	1,532
Currie, Hugh	LaSalle	LaSalle	49	Scotland	Aug. 2	1,590
Davis, Chas. N.	Valier	Franklin	35	Illinois	May 2	1,572
Dobransky, George, Jr.	Sawyer ville	Macoupin	29	Illinois	May 2	1,578
Gammeter, Erwin	Zeigler	Franklin	29	Missouri	May 2	1,564
Germann, George	Freeburg	St. Clair	49	Illinois	May 2	1,554
Greene, T. D.	O'Fallon	St. Clair	45	Illinois	Aug. 2	1,586
Guest, Joseph	Belleville	St. Clair	32	Illinois	May 2	1,559
Haines, Byron E.	Taylorville	Christian	28	Illinois	Feb. 8	1,538
Hall, Chas.	Zeigler	Franklin	30	Illinois	May 2	1,574
Hall, Geo. T.	Zeigler	Franklin	54	Illinois	May 2	1,561
Hall, Hector	Zeigler	Franklin	32	Illinois	May 2	1,562
Henderson, Robert	Gillespie	Macoupin	40	Ohio	May 2	1,568
Hieronymus, H. C.	Nokomis	Montgomery	48	Illinois	Nov. 21	1,598
Higgerson, Chester	Percy	Randolph	28	Illinois	Nov. 21	1,595
Hill, Wm. P.	Marion	Williamson	37	Illinois	Feb. 8	1,536
Hill, O. L.	Marion	Williamson	29	Illinois	Feb. 8	1,537
Johnston, J. M.	Zeigler	Franklin	40	Pennsylvania	May 2	1,565
Jones, David W.	Christopher	Franklin	46	Illinois	Nov. 21	1,597
Joyce, John	Springfield	Sangamon	49	England	Nov. 21	1,591
Kahureck, Henry	Belleville	St. Clair	30	Illinois	Aug. 2	1,584
Kolisek, Frank	Zeigler	Franklin	26	Czecho-Slovakia	May 2	1,573
Leicht, Elmer	Caseyville	St. Clair	36	Illinois	May 2	1,553
Lettsome, Edward	Marseilles	LaSalle	42	Wales	Nov. 21	1,592
Lewis, Newton	Valier	Franklin	39	Illinois	May 2	1,571
Lowe, Robt. W.	Springfield	Sangamon	34	West Virginia	Aug. 2	1,588
Marion, George, Sr.	Sawyer ville	Macoupin	48	Austria	May 2	1,577
Marrow, Thos. J.	Middlegrove	Fulton	43	Ireland	Feb. 8	1,539
Martin, Jas. A.	Duquoin	Perry	29	Kentucky	Feb. 8	1,535
Martin, Jacob	Freeburg	St. Clair	46	Illinois	May 2	1,552
Meyer, Charles J. M.	Staunton	Macoupin	28	Illinois	May 2	1,581
Millard, Richard	East Peoria	Peoria	54	Illinois	Nov. 21	1,593
Minson, E. L.	Taylorville	Christian	31	Missouri	Feb. 8	1,533
Mitchell, William	Gillespie	Macoupin	33	Scotland	May 2	1,549
McElhattan, D. F.	Duquoin	Perry	48	Pennsylvania	Nov. 21	1,594
McGill, Thomas	Taylorville	Christian	47	Ireland	May 2	1,570
McGrady, James	Gillespie	Macoupin	35	Scotland	May 2	1,544
McPhail, Matthew	West Frankfort	Franklin	38	Scotland	Aug. 2	1,589
North, James J.	Pawnee	Sangamon	44	Missouri	May 2	1,567
O'Connell, Thomas	Gillespie	Macoupin	41	Illinois	May 2	1,569
Petri, Joseph	Belleville	St. Clair	28	Illinois	May 2	1,558
Potter, Henry	Peoria	Peoria	39	Illinois	Nov. 21	1,600
Presnell, Cecil	Wilsonville	Macoupin	32	Illinois	May 2	1,582
Pschirrer, George	Canton	Fulton	37	Missouri	Nov. 21	1,601
Rankin, Robert	Gillespie	Macoupin	32	Illinois	May 2	1,546
Rotkis, Charles A.	Westville	Vermilion	24	Illinois	Nov. 21	1,599
Rushing, R. R.	Harrisburg	Saline	39	Illinois	May 2	1,579
Schmidt, Alexander	Caseyville	St. Clair	43	Illinois	Aug. 2	1,585
Schmidt, James W.	Caseyville	St. Clair	31	Illinois	May 2	1,557
Skinn, John	Hillsboro	Montgomery	46	England	Feb. 8	1,529
Slavin, Raymond	Zeigler	Franklin	31	Texas	May 2	1,575
Smith, Harry	Mt. Olive	Macoupin	37	Missouri	May 2	1,580
Snow, Joe	Benton	Franklin	27	Ohio	May 2	1,563
Stein, Edward	Belleville	St. Clair	43	Illinois	May 2	1,555
Subick, Frank	Benld	Macoupin	35	Montana	May 2	1,548
Sutton, Elmer	Belleville	St. Clair	41	Missouri	May 2	1,576
Tomlinson, William	Zeigler	Franklin	46	England	May 2	1,550
Tonks, Harry	Hillsboro	Montgomery	42	Pennsylvania	Feb. 8	1,540
Wand, Les	Kincaid	Christian	32	Illinois	Feb. 8	1,534
Wastatek, Andy	Panama	Montgomery	46	Austria	May 2	1,566
Wiley, Russell	Riverton	Sangamon	39	Illinois	May 2	1,545
Wright, John H.	Belleville	St. Clair	46	Illinois	May 2	1,556
Wright, David G.	Verona	Grundy	47	Illinois	Feb. 8	1,530

MINE MANAGERS—SECOND CLASS.

Name.	Postoffice.	County.	Age.	Birthplace.	Number of certificate.	Date of certificate.
Anthis, Willard	Mt. Carmel	Wabash	41	Indiana	902	Nov. 21
Arnold, Jesse H	Carrier Mills	Saline	44	Illinois	887	Aug. 2
Asbell, Delmar	Glasford	Peoria	26	Illinois	830	May 2
Babbington, Wm.	Sparland	Marshall	34	Illinois	896	Nov. 21
Barber, H. E.	Marion	Williamson	47	Pennsylvania	884	Aug. 2
Beason, Henry	Freeburg	St. Clair	57	Illinois	908	Nov. 21
Beck, Ralph	Roodhouse	Greene	29	Indiana	897	Nov. 21
Beckman, J. E.	Exeter	Scott	51	Illinois	874	Aug. 2
Carlson, Oscar	Mineral	Bureau	55	Sweden	893	Aug. 2
Carney, Norman	Carterville	Williamson	36	Illinois	873	Aug. 2
Clark, R. E.	Carbondale	Jackson	38	Illinois	878	Aug. 2
Clendenin, Eph.	Marion	Williamson	56	Illinois	831	May 2
Clendenin, Lee	Marion	Williamson	30	Illinois	826	May 2
Clendenin, Wm.	Marion	Williamson	28	Illinois	835	May 2
Condon, Robert	Morris	Grundy	60	Illinois	824	May 2
Corder, Lawrence	Marion	Williamson	27	Illinois	832	May 2
Cusack, Paul	Edwards	Peoria	25	Illinois	891	Aug. 2
Davis, Admiral D.	Chillicothe	Peoria	38	Illinois	858	May 2
Deary, Geo. U.	Summum	Fulton	41	Illinois	907	Nov. 21
Ditto, Louis	Herrin	Williamson	29	Illinois	883	Aug. 2
Emery, Delbert	Marion	Williamson	33	Illinois	829	May 2
Farris, Sam	Carbondale	Jackson	36	Kentucky	885	Aug. 2
Freeman, L. L.	Cutler	Perry	37	Illinois	820	Feb. 8
Fremgen, Harry	Canton	Fulton	39	Illinois	840	May 2
Gabriel, Malcom	Marion	Williamson	35	Ohio	868	May 2
Grant, Fred	Marion	Williamson	37	Illinois	834	May 2
Harris, Troy	Marion	Williamson	26	Illinois	849	May 2
Hill, John W.	Harrisburg	Saline	29	Illinois	836	May 2
Hill, Wm. N.	Stonefort	Williamson	57	Illinois	837	May 2
Hockgeiger, Leo	Mt. Carmel	Wabash	38	Illinois	901	Nov. 21
Hundley, John	Carterville	Williamson	35	Illinois	825	May 2
Jay, Charles	Campbell Hill	Jackson	58	Illinois	851	May 2
Johnson, Pete	Peoria	Peoria	61	Illinois	822	Feb. 8
Junker, William	Peoria	Peoria	42	Illinois	904	Nov. 21
Kelly, D. J.	Marion	Williamson	25	Illinois	841	May 2
Kelly, Lowell A.	Johnston City	Williamson	33	Illinois	843	May 2
Kirkman, William	Peoria	Peoria	29	Illinois	890	Aug. 2
Koker, Gus	Eldorado	Saline	24	Kentucky	906	Nov. 21
Kosanovich, Sam	Bryant	Fulton	45	Jugo Slavia	879	Aug. 2
Kroll, Theodore	Peoria	Peoria	47	Illinois	899	Nov. 21
Ledford, Siegel	Harrisburg	Saline	54	Illinois	856	May 2
Lemay, Ernest	Marion	Williamson	28	Illinois	871	May 2
Lewis, Joseph	Cutler	Perry	35	Alabama	823	Feb. 8
Marcinko, Andrew	Paris	Edgar	30	Indiana	856	Aug. 2
Marxer, Cornelius W.	Collinsville	Madison	28	Illinois	899	Aug. 2
Mattox, Clarence	Marion	Williamson	34	Kentucky	850	May 2
McCain, Chester	Marion	Williamson	35	Missouri	848	May 2
Meeker, Everett	Danville	Vermilion	35	Illinois	838	May 2
Miars, Ray	Oak Hill	Peoria	36	Illinois	903	Nov. 21
Moore, Charles	Marion	Williamson	27	Illinois	847	May 2
Palmer, James	Junction	Gallatin	40	Illinois	888	Aug. 2
Pateete, Elza	Herrin	Williamson	44	Illinois	860	May 2
Patrick, Joseph W.	Carterville	Williamson	39	Illinois	882	Aug. 2
Pearson, Victor	Springfield	Sangamon	44	Missouri	857	May 2
Pear, Emerson	Coal City	Grundy	56	Illinois	821	Feb. 8
Porter, Alvin	Herrin	Williamson	35	Kentucky	855	May 2
Radford, Matthew H.	Spillertown	Williamson	58	England	870	May 2
Ramsey, Charles	Marion	Williamson	42	Illinois	866	May 2
Roberts, Arthur	Marion	Williamson	32	Illinois	833	May 2
Royce, Albert	Danville	Vermilion	42	Illinois	839	May 2
Rushing, Clyde	Marion	Williamson	36	Illinois	844	May 2
Sanders, Wm. A.	Marion	Williamson	47	Illinois	875	Aug. 2
Schott, Alvin J.	Campbell Hill	Jackson	30	Illinois	853	May 2
Sims, Ray	Marion	Williamson	34	Illinois	867	May 2
Sisney, John	Cambria	Williamson	41	Illinois	863	May 2
Smith, Clair	Marion	Williamson	27	Illinois	852	May 2
Smith, Hud R.	Roodhouse	Greene	43	Indiana	898	Nov. 21
Snider, Enoch	Peoria	Peoria	49	Illinois	892	Aug. 2
Snider, Fred	Energy	Williamson	29	Illinois	846	May 2
Snider, Henry	Energy	Williamson	52	Illinois	854	May 2
Snigley, Albert	Cambria	Williamson	27	Illinois	861	May 2
Springhart, Fred B.	Marion	Williamson	36	Illinois	862	May 2
Springhart, John	Marion	Williamson	33	Illinois	864	May 2
Springhart, Lyman	Marion	Williamson	31	Illinois	865	May 2
Stafford, Homer L.	Marion	Williamson	30	Illinois	827	May 2

MINE MANAGERS—SECOND CLASS—Concluded.

Name.	Postoffice.	County.	Age.	Birthplace.	Number of certificate.	Date of certificate.
Stone, Elmer A.	Kewanee	Henry	27	Illinois	895	Nov. 21
Sweet, Moody	Herrin	Williamson	51	Illinois	877	Aug. 2
Tanner, Hosea	Marion	Williamson	38	Illinois	859	May 2
Tomblin, Joseph	Peoria	Peoria	41	Illinois	880	Aug. 2
Toteno, Joseph	Kewanee	Henry	57	Italy	894	Aug. 2
Travelstead, William E.	Marion	Williamson	42	Illinois	869	May 2
Ummel, A. F.	Scotland	Edgar	44	Indiana	872	Aug. 2
Wallace, L. L.	Mt. Carmel	Wabash	30	Illinois	900	Nov. 21
Whiteside, Howard E.	Marion	Williamson	31	Missouri	876	Aug. 2
Wilkins, Raleigh	Marion	Williamson	29	Illinois	828	May 2
Wilson, Bert	Marion	Williamson	24	Illinois	842	May 2
Wilson, Jesse	Marion	Williamson	25	Illinois	845	May 2
Wyatt, Harvey L.	Herrin	Williamson	55	Tennessee	881	Aug. 2
Zoltan, Frank G.	Eldorado	Saline	29	Austria	905	Nov. 21

ELECTRICAL HOISTING ENGINEERS.

Name.	Postoffice.	County.	Age.	Birthplace.	Number of certificate.	Date of certificate.
Bottlo, John J.	Georgetown	Vermilion	46	Italy	475	Nov. 21
Brayfield, Winsor	Sesser	Franklin	38	Illinois	473	Nov. 21
Brogdon, Cecil	Duquoin	Perry	26	Illinois	453	Feb. 8
Brynn, Evan R.	Westville	Vermilion	38	Alabama	476	Nov. 21
Castell, Lester W.	Pleasant Plains	Sangamon	32	Illinois	478	Nov. 21
Cook, John H., Jr.	Elkville	Jackson	35	Illinois	454	Feb. 8
England, Geo.	Dowell	Jackson	22	Illinois	458	Feb. 8
Foote, Charles	Danville	Vermilion	56	England	474	Nov. 21
Gladson, Frank S.	Duquoin	Perry	53	Illinois	468	Nov. 21
Gordon, Thomas F.	Springfield	Sangamon	35	Illinois	477	Nov. 21
Grieve, Peter	Belleville	St. Clair	54	Illinois	462	Aug. 2
Harrell, Milford	Elkville	Jackson	32	Illinois	450	Feb. 8
House, George	Elkville	Jackson	36	Illinois	451	Feb. 8
Jones, David W.	Christopher	Franklin	46	Illinois	470	Nov. 21
Jones, John Z.	Danville	Vermilion	55	Wales	472	Nov. 21
Koesterer, Joseph	New Athens	St. Clair	50	Illinois	466	Aug. 2
Leake, Clifford	Dowell	Jackson	35	England	452	Feb. 8
Lloyd, Claude	Virden	Macoupin	42	Illinois	457	Feb. 8
Marsh, John D.	Belleville	St. Clair	34	Nebraska	460	Feb. 8
Mathis, Charles E.	Duquoin	Perry	50	Illinois	469	Nov. 21
Meyers, Floyd	Dowell	Jackson	24	Illinois	459	Feb. 8
Milstead, Jas. W.	Pleasant Plains	Sangamon	32	Illinois	471	Nov. 21
Parsh, August C.	Auburn	Sangamon	54	Michigan	456	Feb. 8
Promenschenkel, Theo.	Streator	LaSalle	35	Illinois	465	Aug. 2
Seets, Roy E.	Johnston City	Williamson	34	Illinois	464	Aug. 2
Stiehl, Sherman A.	Belleville	St. Clair	42	Illinois	461	Aug. 2
Sutton, Elmer	Belleville	St. Clair	41	Missouri	463	Aug. 2
Vigliocco, Myo.	Panama	Bond	32	Italy	467	Nov. 21
Watne, Carl J.	Nokomis	Montgomery	37	South Dakota	455	Feb. 8

STEAM HOISTING ENGINEERS.

Name.	Postoffice.	County.	Age.	Birthplace.	Number of certificate.	Date of certificate.
Bowman, Carl	Knoxville	Knox	46	Illinois	675	Aug. 2
Capstick, E. W.	Sherman	Sangamon	41	Illinois	672	Aug. 2
Chambers, Chester	Centralia	Marion	36	Illinois	677	Nov. 21
Cook, John H., Jr.	Elkville	Jackson	35	Illinois	670	May 2
Martin, Jacob	Freeburg	St. Clair	46	Illinois	673	Aug. 2
McGuire, George	Duquoin	Perry	26	Illinois	669	Feb. 8
Nelson, Giles	Knoxville	Knox	27	Illinois	676	Nov. 21
Sollers, Charles F.	Georgetown	Vermilion	33	Illinois	671	May 2
Timmons, Geo. F.	Knoxville	Knox	25	Illinois	674	Aug. 2

SECOND MOTION ENGINE PERMITS.

Name.	Postoffice.	County.	Age.	Birthplace.	Number of permit.	Date of permit.
Allen, Eugene.	Keensburg	Wabash	23	Indiana	205	Nov. 14
Baer, Herschel D.	Beardstown	Cass	34	Illinois	209	Nov. 23
Barham, Lee	Sparta	Randolph	38	Illinois	197	July 12
Chaney, Edgar	Pekin	Tazewell	47	Illinois	213	Dec. 9
Corkill, Merrick J.	Galva	Henry	49	Illinois	193	Jan. 26
Couch, William	Friendsville	Wabash	24	Illinois	204	Nov. 10
Darnall, D. H.	Elkville	Jackson	45	Illinois	195	June 24
Essley, F. H.	Viola	Mercer	57	Iowa	202	Oct. 15
Essley, W. F.	Viola	Mercer	34	Illinois	201	Oct. 15
Fisher, Flavius	Mt. Carmel	Wabash	43		194	Feb. 24
Floquet, L. J.	Winchester	Scott	54	France	199	Aug. 23
Glouster, George F.	Mt. Carmel	Wabash	40	Missouri	192	Jan. 18
Gordon, Francis	Sparta	Randolph	35	Illinois	207	Nov. 17
Goettwig, William	Sparta	Randolph	37	Illinois	196	July 6
Huffstutler, Carl	Duquoin	Perry	21	Illinois	206	Nov. 15
Huston, W. H.	DeSoto	Jackson	29	Missouri	212	Nov. 25
King, Robert	Wyoming	Stark	22	Illinois	210	Nov. 29
Kress, John M.	Viola	Mercer	34	Illinois	194	June 21
Lamb, Leo	Kewanee	Henry	27	Illinois	200	Oct. 3
Maros, Emil	Petersburg	Menard	22	Kansas	198	July 29
Mason, Louis B.	Kewanee	Henry	23	Illinois	190	Jan. 18
Melvin, Bruce C.	Avon	Fulton	55	Illinois	211	Nov. 28
Mielke, John	Moline	Rock Island	37	Illinois	193	June 20
Morse, Walter J.	Farmington	Fulton	32	Illinois	208	Nov. 21
Perry, Russell	Golden	Schuyler	32	Illinois	191	Apr. 25
Schott, Alvin J.	Campbell Hill	Jackson	30	Illinois	190	Apr. 21
Wallace, Robert	Mt. Carmel	Wabash	70	Illinois	191	Jan. 18
Wertz, George E.	Orion	Henry	25	Illinois	192	May 6
Wisner, Frank Justine	Sparland	Marshall	50	Illinois	203	Oct. 24

MINE EXAMINERS.

Name.	Postoffice.	County.	Age.	Birthplace.	Number of certificate.	Date of certificate.
Aleksick, Mike H.	Zeigler	Franklin	41	Ukraine	2,018	May 2
Austerfield, James E.	Buckner	Franklin	33	England	2,022	May 2
Berutti, William	Benld	Macoupin	30	Italy	1,989	Feb. 8
Bobbish, Charles	Dowell	Jackson	23	Illinois	1,996	Feb. 8
Brayfield, Winsor	Sesser	Franklin	38	Illinois	2,026	May 2
Burke, James S.	Valier	Franklin	42	Tennessee	2,029	May 2
Carroll, Perry R.	Zeigler	Franklin	37	Indiana	2,035	May 2
Casson, Joseph Hobson	Zeigler	Franklin	37	England	2,036	May 2
Ceretto, Julius	Dowell	Jackson	24		2,009	Feb. 8
Chura, Adam	Benld	Macoupin	26	Poland	2,019	May 2
Chynowith, Jas. E.	Taylorville	Christian	55	North Wales	2,002	Feb. 8
Cosgrove, John B.	Benton	Franklin	35	Illinois	2,050	Nov. 21
Devor, Lester	Centralia	Marion	26	Missouri	2,041	May 2
Dowiatt, Adolph	Westville	Vermilion	29	Illinois	2,031	May 2
Feechter, Albert	Knoxville	Knox	40	Illinois	2,033	May 2
Gansauer, J. F.	Centralia	Marion	45	Illinois	2,039	May 2
Golio, Mike	West Frankfort	Franklin	24	Kansas	2,045	Aug. 2
Griffin, Ardell	Elkville	Jackson	28	Illinois	1,995	Feb. 8
Gruber, Ed.	Dowell	Jackson	36	Missouri	1,999	Feb. 8
Gutzler, J. W.	Centralia	Marion	39	Illinois	2,024	May 2
Hammond, Coy	Centralia	Marion	24	Illinois	2,042	May 2
Harriman, George W.	Christophers	Franklin	42	Arkansas	2,028	May 2
Hawley, George	Centralia	Marion	39	Illinois	2,040	May 2
Heiple, Robert	Duquoin	Perry	50	Illinois	1,992	Feb. 8
Henry, Orville	Gillespie	Macoupin	23	Illinois	1,988	Feb. 8
Hrin, Steve	Dowell	Jackson	36	Minnesota	2,007	Feb. 8
Janini, James	Dowell	Jackson	32	Illinois	2,000	Feb. 8
Jones, David W.	Christophers	Franklin	46	Illinois	2,023	May 2
Jones, Howard	Duquoin	Perry	30	Illinois	2,006	Feb. 8
Kelly, John T.	Taylorville	Christian	24	Illinois	2,046	Aug. 2
Kidd, Ralph	Valier	Franklin	36	Indiana	2,025	May 2

MINE EXAMINERS—Concluded.

Name.	Postoffice.	County.	Age.	Birthplace.	Number of certificate.	Date of certificate.
Kleine, George.....	Buckner.....	Franklin.....	24	Illinois.....	2,037	May 2
Leming, Clarence.....	Sparta.....	Randolph.....	40	Illinois.....	2,032	May 2
Magnelia, Paul.....	Witt.....	Montgomery.....	54	Italy.....	2,048	Nov. 21
Meyer, Chas. J. M.....	Staunton.....	Macoupin.....	28	Illinois.....	2,003	Feb. 8
Miller, Lewis.....	Panama.....	Bond.....	39	Illinois.....	2,043	May 2
Mitchell, Alex.....	Gillespie.....	Macoupin.....	32	Scotland.....	2,017	May 2
Mitchell, William.....	Gillespie.....	Macoupin.....	33	Scotland.....	1,993	Feb. 8
Murphy, Harry.....	Dowell.....	Jackson.....	30	Illinois.....	2,001	Feb. 8
Parsons, Frank L.....	Christopher.....	Franklin.....	34	Illinois.....	2,038	May 2
Pickens, Fred.....	Decatur.....	Macon.....	52	Germany.....	2,044	Aug. 2
Pirka, Julius.....	Zeigler.....	Franklin.....	25	Ohio.....	2,015	May 2
Pratt, David.....	Valier.....	Franklin.....	36	Scotland.....	2,012	May 2
Rankin, Robert.....	Gillespie.....	Macoupin.....	32	Illinois.....	1,997	Feb. 8
Renfro, Walter.....	Harrisburg.....	Saline.....	45	Kentucky.....	2,008	Feb. 8
Richter, Carl.....	Royalton.....	Franklin.....	24	Germany.....	2,016	May 2
Saint, Andrew.....	Zeigler.....	Franklin.....	38	England.....	2,030	May 2
Skibinski, Francis.....	Zeigler.....	Franklin.....	32	Illinois.....	2,020	May 2
Sneddon, Robert N.....	Valier.....	Franklin.....	35	Scotland.....	2,013	May 2
Snodgrass, Solomon.....	Farmington.....	Fulton.....	30	Missouri.....	1,994	Feb. 8
Spegal, Troy.....	Valier.....	Franklin.....	29	Illinois.....	2,027	May 2
Stahulak, Amiel.....	Taylorville.....	Christian.....	30	Illinois.....	1,991	Feb. 8
Stuart, Earl.....	Dowell.....	Jackson.....	34	Illinois.....	1,998	Feb. 8
Stutsman, Henry W.....	Herrin.....	Williamson.....	23	Illinois.....	2,004	Feb. 8
Subick, Frank.....	Benld.....	Macoupin.....	35	Montana.....	1,990	Feb. 8
Summerville, William.....	Valier.....	Franklin.....	46	Scotland.....	2,021	May 2
Toney, Charles F.....	Christopher.....	Franklin.....	39	West Virginia.....	2,011	May 2
Tovey, Steve.....	Westville.....	Vermilion.....	40	England.....	2,047	Aug. 2
Veatch, George.....	Harrisburg.....	Saline.....	43	Illinois.....	2,010	Feb. 8
Villa, Guy.....	Gillespie.....	Macoupin.....	21	Illinois.....	2,049	Nov. 21
Weiser, Charles.....	Zeigler.....	Franklin.....	23	Jugo Slavia.....	2,014	May 2
Wilson, Howard D.....	Auburn.....	Sangamon.....	43	Illinois.....	2,005	Feb. 8
Young, Robert Jr.....	Royalton.....	Franklin.....	28	Ohio.....	2,034	May 2

